



Exam : 000-285

Title : Certified Associate Developer Developing with  
IBM WebSphere Studio, V5.0

Ver : 12-18-08

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**QUESTION 1:**

A developer has just completed development of a Web application. A newly written servlet is selected, and from the context menu, "Run on Server" is selected. Which of the following are possible consequences of this action?

- A. A new Server Instance is created.
- B. A new Server configuration is created.
- C. A new Enterprise Application is created.
- D. The class file for the Servlet is generated by the compiler.
- E. The service() method of the Servlet is invoked.

Answer: A, C, D

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**QUESTION 2:**

Which of the following artifacts could be found in an EAR file that has been exported from WebSphere Studio?

- A. A Web module with its web.xml file.
- B. A Javadoc file tree extracted from the source modules.
- C. A client application jar file.
- D. A server configuration file, server-cfg.xml.

Answer: A, C

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**QUESTION 3:**

Which elements can be directly defined for a WebSphere version 5 test server configuration via the WebSphere Configuration Editor?

- A. ULR Mappings
- B. Server classpath
- C. Enable JSP Debugging
- D. Java VM arguments
- E. Data sources

Answer: A, C, D

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**QUESTION 4:**

When configuration a data source, which of the following MUST be supplied prior to starting the server?

- A. Description
- B. Userid
- C. Password
- D. Name
- E. JNDI name

Answer: D, E

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**QUESTION 5:**

In the Data perspective, connecting to a database is accomplished by:

- A. Selecting a Data project in the Data Definition view, bringing up its context menu and selecting New Connection.
- B. Selecting a Data project in the Navigator view, bringing up its context menu and selecting New Connection.
- C. Bringing up a context menu in the empty area of the DB Output view and selecting New Connection.
- D. Bringing up a context menu in the empty area of the DB Servers view and selecting New Connection.

Answer: D

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**QUESTION 6:**

To create an SQL SELECT statement using the SQL query builder tool:

- A. Bring up the context menu on the Data project and select New-> SQL Query -> builder Select Statement.
- B. Bring up the context menu on the Statements folder of the Data project and select New-> Select Statement.
- C. Select-> New-> Other-> Select Statement from the workbench main menu.
- D. Select Run-> SQL Query builder from the workbench main menu and choose Select Statement checkbox.

Answer: B

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**QUESTION 7:**

From the Data Definition view, DDL can be explicitly generated for which of the following data artifacts?

- A. ResultSet
- B. Table
- C. Database
- D. Column

Answer: B, C

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**QUESTION 8:**

What information **MUST** be specified in the New Connection wizard in order to establish a connection to a database?

- A. Connection name
- B. Database Server IP address
- C. Database name
- D. Connection Pool size

Answer: A, C

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**QUESTION 9:**

When using the online help navigation tree, which node **MUST** be expanded in order to see the steps necessary to accomplish an activity?

- A. Concepts
- B. Tasks
- C. Reference
- D. Tips & Tricks

Answer: B

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**QUESTION 10:**

A developer has made modifications to a perspective by adding numerous action sets. What is the **BEST** way to return the perspective to its original state?

- A. Select Window-> Customize Perspective and remove the added action sets.
- B. Select Window-> Close Perspective and then re-open the perspective.
- C. Select Windows-> Reset Perspective.
- D. Restart the WebSphere product.

Answer: C

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**QUESTION 11:**

An enterprise application project contains a deployment descriptor named application.xml. What does this file contain?

- A. URL mapping.
- B. The J2EE modules associated with the EAR file.
- C. The product installation directory.
- D. The context root of the web module.

Answer: B, D

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**QUESTION 12:**

An perspective is a collection of:

- A. Customized and configuration tools.
- B. Windows and operations.
- C. Tasks and views.
- D. Views and editors.

Answer: D

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**QUESTION 13:**

A developer would like more information about a selected menu item or button.  
What key(s) does a developer need to press to access the content-sensitive help for the selected menu item or button?

- A. F1
- B. F9
- C. Shift+Esc
- D. Ctrl+Space
- E. Ctrl+Enter

Answer: A

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**QUESTION 14:**

A developer always wants to edit HTML files using an editor other than the one supplied. What is the BEST way for this to be accomplished?

- A. Edit files on the file system using the editor of choice. Then use the "Refresh from local" option to incorporate the changes.
- B. Use the Workbench->File Associations option of the "Preferences" dialog to associate .html files with the preferred editor.
- C. Use the Launcher option of the "Properties" dialog of the Web project.
- D. Use the Web Tools->Files option of the "Preferences" dialog.

Answer: B

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**QUESTION 15:**

A developer needs to deploy static web pages from a Web project to a local web server. The BEST way to fully deploy these files directly to the web server is to:

- A. Use the WAR Export utility to export the Web project to the web server.
- B. Use the File System Export utility to export to the web server.
- C. Use the Web Export utility to export the Web project to the web server.
- D. Use the FTP Export utility to export the Web Content folder to the web server.

Answer: B

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**QUESTION 16:**

What JAR Export wizard selection will include a manifest file?

- A. Add manifest file.
- B. Use existing manifest from workspace.
- C. Export Java source files and resources.
- D. Generate the manifest file.

Answer: B, D

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**QUESTION 17:**

Refactoring allows a developer to:

- A. Preview proposed changes and their effects.
- B. Select and deselect compilation unit nodes prior to committing.
- C. Select and extract a set of statements or an expression from a method body.
- D. Define external JAR files that can be included in the build classpath.
- E. Detect and diagnose errors in your programs running either locally or remotely.

Answer: A, B, E

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**QUESTION 18:**

A developer is looking for a method that was previously created somewhere in the project. It is named either "getOrderStatus" or "getCurrentStatus". Using the Java

Search tab, what is the MOST direct way to find the method?

- A. Select References in the Limit To pane. Enter `**Status**` as the Search string.
- B. Select Declarations in the Limit To pane. Enter `**Status**` as the Search string.
- C. Select References in the Limit To pane. Enter `*get*Status*` as the Search string.
- D. Select Declarations in the Limit To pane. Enter `"get*Status"` as the Search string.

Answer: D

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#### **QUESTION 19:**

Using the Hierarchy View for a class with a deep inheritance hierarchy and interfaces, how can a developer see where certain variables and methods are declared?

- A. Select Show the Supertype Hierarchy.
- B. Select Lock View and Show Members in Hierarchy.
- C. Choose combinations of Hide Fields, Hide Static Members, and Hide Non-Public Members.
- D. Select Search-> Implementors-> Hierarchy.

Answer: B

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#### **QUESTION 20:**

Project A utilizes the code from Project B. How can a developer specify that Project A depends on Project B's code?

- A. Open Project A's Properties and select Project B as a dependent on the Team page.
- B. Open Project A's Properties and select Project B on the Project References page.
- C. Edit Project A's application.xml file and add Project B on the dependencies list.
- D. Bring up Project A's context menu, select Link Utilities and specify Project B as a dependent project.

Answer: B

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#### **QUESTION 21:**

The contents of the Task view can be altered by:

- A. Selecting a different project in the J2EE Navigator.
- B. Using a context menu in an open editor and selecting Filter -> Tasks and choosing a problem severity.
- C. Clicking the Filter button and selecting a Problem severity.
- D. Using the context menu from the Tasks view and selecting Filter > Tasks and choosing a priority level.

Answer: C

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**QUESTION 22:**

The Tasks View shows:

- A. Errors
- B. Warnings
- C. User-defined tasks
- D. Team tasks
- E. Bookmarks

Answer: A, B, C

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**QUESTION 23:**

When a method is selected, which of the following can be found using the Outline view "Search" menu option?

- A. References in the workspace.
- B. Character strings in the workspace.
- C. Declarations in the selected Java element.
- D. Text in folders or files on the file system.

Answer: A, C

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**QUESTION 24:**

What steps, if any, does a developer take to specify the build path of a Java Project?

- A. Bring up the context menu on a project and choose Edit Build Path.
- B. Bring up the context menu on a project and choose Properties, then select the Java Build Path page.
- C. Bring up the context menu on the project's buildPath.properties file and choose Edit.
- D. The build path is automatically determined through the import statements the developer includes in the code.

Answer: B

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**QUESTION 25:**

When using the Java Create Interface wizard, which access modifier is available?



- A. private
- B. protected
- C. public
- D. static

Answer: C

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**QUESTION 26:**

A Java application contains "ClassA". How can the developer create "ClassB" as an inner class of "ClassA" using the Java class wizard?

- A. Select the "Enclosing type" option and set the corresponding type to "ClassA".
- B. Open the wizard on the context menu of "ClassA", using the "Enclosing type" context menu option and enter "ClassB" as the new class name.
- C. When creating "ClassA", select the "Enable inner classes" option. Select "New Class" from the context menu of "ClassA" and enter "ClassB" as the name.
- D. Enter "ClassA" as the superclass of "ClassB".

Answer: A

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**QUESTION 27:**

Content Assist can be accessed in the Java editor by all of the following EXCEPT:

- A. Pressing Ctrl+Period.
- B. Pressing Ctrl+Space.
- C. Turning on the auto activation preference.
- D. Selecting Edit->Content Assist from the menu bar.

Answer: A

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**QUESTION 28:**

When creating a Java Project, resources that can be added to the build path via the Libraries tab are:

- A. Class folders
- B. Packages
- C. JAR files
- D. Projects
- E. Variables

Answer: A, C, E

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**QUESTION 29:**

The Java Browsing perspective by default displays:

- A. Task View
- B. Method source code
- C. Outline View
- D. Member definitions

Answer: B, D

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**QUESTION 30:**

A developer has written code for a class which contains unqualified and fullyqualified class references. The developer brings up the context menu in the editor and chooses Source-> Organize Imports. What is the result, assuming no import conflicts?

- A. Import statements are added to resolve all class references. Fully-qualified references have the full path removed because they are no longer needed.
- B. Import statements are added to resolve all class references. Previously fullyqualified references remain unchanged.
- C. Imports are generated for the class references within scope of the current cursor position only.
- D. No imports are generated, since the developer must select the class references to add imports for them

Answer: B

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**QUESTION 31:**

When using the Create database Web Pages Wizard, which of the following elements are NOT created?

- A. Front Controller - Class that invokes calls on the model and displays an appropriate view.
- B. Result View - Displays the dynamic bean content provided by the View Helpers.
- C. Data Access Broker - Class that encapsulates all of the data access calls.
- D. Input Form - Collects values to apply to the database operation.

Answer: C

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**QUESTION 32:**

While in the Web perspective, which view can be used to insert functionality which

may have several lines of code, such as displaying a message, into a JavaScript file?

- A. Function
- B. Macro
- C. Library
- D. JavaScript editor

Answer: C

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**QUESTION 33:**

When creating web pages using the Create JavaBeans Web Pages Wizard, which of the following information can be specified?

- A. Stylesheet contents.
- B. Whether to store results in the request, session, or application.
- C. The error page that will be displayed in the event of an exception while processing.
- D. A controlling servlet to provide an initial point of contact for web pages being served.

Answer: C, D

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**QUESTION 34:**

Which of the following statements are TRUE about the web.xml editor?

- A. When an application is marked as distribute, it validates the application.
- B. The web.xml editor allows for defined a Servlet's URL mappings.
- C. The web.xml editor enables configuration of error pages corresponding to HTML error codes.
- D. The web.xml editor allows for specifying the depending jars on which servlets within the web project depend.

Answer: B, C

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**QUESTION 35:**

Which of the following statements is TRUE if a developer wants to create (or add) a new Java source folder to a Web project?

- A. The new Java Source folder can exist anywhere on the file system.
- B. The web.xml deployment descriptor should be modified to include the new source folder.
- C. The Web Project properties will be modified to include the new source folder in the list of source folders.
- D. The Web Project classpath should be modified to include the new source folder.

Answer: D

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**QUESTION 36:**

When a new Web project is created, by default a folder named "Web Content" is created in the project. Which of the following statements are TRUE about the "Web Content" folder?

- A. The Web Content/source folder contains the project Java source code for classes, beans and servlets.
- B. The Web Content/WEB-INF folder contains the supporting Web resource including the web.xml deployment descriptor.
- C. The Web Content folder represents the contents of the WAR file that will be deployed to the server.
- D. The Web Content/lib folder contains utility .jar files that the web application references.

Answer: B, D

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**QUESTION 37:**

When using Page Designer, what is the MOST efficient way to change the background color for all the pages in the Web Project?

- A. Use the Color Editor to change the background color of the top level pages.
- B. Use the Color Palette and Cascading Style Sheet Manager.
- C. Use a Cascading Style Sheet to change the background color for the top level pages and let the change cascade to all other pages in the site.
- D. Use a Cascading Style Sheet to change the background color for pages and then apply the Cascading Style Sheet to each web page.

Answer: D

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**QUESTION 38:**

In order to request HTML Content Assist in the source editor of the Workbench, a developer should:

- A. Press Shift+Space on the keyboard.
- B. Press Ctrl+Space on the keyboard.
- C. Select Edit-> Content Assist on the menubar.
- D. Select the Content Assist icon on the toolbar.

Answer: B, C

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**QUESTION 39:**

The New Enterprise Application Project wizard is used to create an Enterprise project OurCoEnterpriseApp and a Web project OurCoWeb. Which of the following objects are created as a direct result?

- A. web.xml
- B. application.xml
- C. OurCoWeb.war
- D. A server instance and configuration.

Answer: A, B

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**QUESTION 40:**

When converting a static Web project to a J2EE Web project, specifying module dependencies will update:

- A. The Web project's web.xml deployment descriptor.
- B. Classpath in server instance configuration
- C. Module definition in associated Enterprise Application Project.
- D. Runtime classpath in MANIFEST.MF.

Answer: D

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**QUESTION 41:**

The lost "a through c" below represents different functions keys. The list "1 through 3" represents different stepping functions of the debugger

- a)F5 1)Step Over
- b)F6 2)Step Into
- c)F8 3)Resume

Which of the following choices correctly matches each function key with the appropriate stepping function?

- A. a1, b2, c3
- B. a1, b1, c3
- C. a1, b3, c2
- D. a3, b2, c1

Answer: B

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**QUESTION 42:**

A developer modified a JSP and saves the changes. What step **MUST** be performed so that the changes take effect and the new results are displayed?

- A. Restart the server.
- B. Clear the local JSP cache.
- C. Recompile the JSP.
- D. Click the Refresh or Reload button on the browser.

Answer: D

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**QUESTION 43:**

A Java application is ending unexpectedly without any error messages. To determine the problem, and effective course of action would be to:

- A. Enclose the main() method in a try/catch block.
- B. Set a breakpoint at the end of the program, it will stop the program just before it exists.
- C. Set an Uncaught Java Exception breakpoint on java.lang Exception.
- D. Set breakpoints at the beginning of each method and single step until the problem is found.

Answer: C

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**QUESTION 44:**

A developer has defined class Dog in package com.myco.pets. The developer just created a new Scrapbook page. While evaluating the following lines:

```
Dog dog = Dog(3, "Shadow");  
dog.setAge(5);
```

The developer gets the following message: "Dog cannot be resolved or is not a type"

How can the developer resolve this problem?

- A. Create the Scrapbook page in the com.myco.pets package.
- B. Use the Set Imports menu choice from the scrapbook's context menu; and add the com.myco.pets package.
- C. Add an import statement before creating the new Dog (import com.myco.pets.Dog;)
- D. Before evaluating the code, select the com.myco.pets package on the Navigator view.

Answer: B

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**QUESTION 45:**

A developer is stopped at a breakpoint and needs to examine the value of a variable. However, the developer cannot find the variable in the Variables view. A possible reason for this is that the variable is:

- A. Out of scope
- B. In scope
- C. An unknown tupe
- D. Misspelled

Answer: A

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#### **QUESTION 46:**

A developer has placed a breakpoint in a JSP source file. During execution, the application is NOT suspended by the debugger. What is the MOST likely problem?

- A. The breakpoint was placed on an HTML tag.
- B. The server was not started in debug mode.
- C. Generate debug information when compiling JSPs is not checked in the server config.
- D. The breakpoint is enabled, but the JSP cannot be compiled.

Answer: B

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#### **QUESTION 47:**

A developer is debugging a program and is stopped at a breakpoint. The developer needs to examine the contents of a complex variable. The BEST way to drill down to see the values of the contained type is to:

- A. Hover the cursor over the variable name to see its value.
- B. Select the variable and from its context menu select "Inspect".
- C. Select the variable and from its context menu select "Display".
- D. Select the variable on the Variables view and double click.

Answer: B

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#### **QUESTION 48:**

While debugging, a developer steps into a very long method. The developer quickly determines that the problem is NOT in the current method. What is the QUICKEST way for the developer to continue debugging after this method? Click:

- A. Resume

- B. Step Over
- C. Step Into
- D. Run to Return

Answer: D

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**QUESTION 49:**

A developer sets a breakpoint in a Java class and starts the server in debug mode. However, the thread does not suspend when it reaches the breakpoint which is now indicated with a white sphere. What BEST explains why the thread did not suspend?

- A. The breakpoint has been removed.
- B. The breakpoint is enabled, but the server was not configured correctly.
- C. The class has not been installed in the JVM,
- D. The breakpoint is disabled.

Answer: D

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**QUESTION 50:**

While testing a web application on the WebSphere Test Environment, a developer notices that the application URLs do not have session id information encoded, even though the application uses `encodeURL()`. Which option is MOST likely to have been DE-SELECTED on the server configuration resulting in this behavior?

- A. Enable session manager
- B. Enable sessions
- C. Enable URL rewrite
- D. Enable cookies

Answer: C

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**QUESTION 51:**

After developing a new web application, valid ways to invoke and debug a servlet are:

- A. Click Start on the test server's context menu, bring up the context menu on the servlet, and select Run on Server.
- B. Create a new server instance and configuration, click Start on the test server's context menu, then bring up the context menu on the servlet, and select Run on Server.
- C. Start the Websphere v5.0 Test Environment, start the Servlet Engine, and bring up the context menu on the first test file and select Run on Server.



- D. Create a new server instance and configuration, associate the web application's EAR project with the server configuration, launch the server in debug mode, then bring up the context menu on the servelt, and select Run on Server.
- E. Bring up the context menu on the servlet and select Debug and Server, allowing Application Developer to create a new WebSpere v5.0 Test Environment.

Answer: D, E

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**QUESTION 52:**

A developer wants to a project that was previously created in another workspace. The BEST way to accomplish that is to select which file>import option?

- A. File system
- B. Existing Project Workspace
- C. Zip file
- D. External Plug-ins and Fragments

Answer: B

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**QUESTION 53:**

Which of the following views are part of the default java prespective?

- A. Package Explorer
- B. Navigator
- C. Outline
- D. Hierarchy
- E. Properties

Answer: A,B,C

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**QUESTION 54:**

While a developer is creating an Enterprise Application Project using the wizard, which other J2EE component can be created simultaneously?

- A. Data Source Project
- B. Web Project
- C. Java Project
- D. Server Project

Answer: B

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**QUESTION 55:**

A developer has performed a search in the Help perspective. The developer wants to see where a topic returned by the search fits into the table of contents. What is the BEST way to do this?

- A. Select the Forward icon in the Help toolbar to go to the next corresponding item in the table of contents.
- B. Select the Back icon from the Help toolbar to bring up the topics heading in the table of contents.
- C. Select the Synchronize Navigation icon in the Help toolbar
- D. Double click on the topic's title in the document view.

Answer: C

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**QUESTION 56:**

The FASTEST way for a developer to obtain step by step guidance on creating, testing, and running a web application is to:

- A. read the product documentations
- B. look through the help Table of contents
- C. select the Search->Help... menu option
- D. use the Help menu Cheat Sheets

Answer: D

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**QUESTION 57:**

Which operation is NOT available in the Data perspective?

- A. brows and import schemas
- B. create data source objects
- C. export data definitions
- D. create and test SQL statement

Answer: B

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**QUESTION 58:**

A developer wants to perform an incremental build of resources in the workspace each time a change is made to a java class. What is the BEST approach for the developer to take within the Window->Preference window to ensure that this happens?

- A. Select Workbench->Perform the build automatically on resource modification
- B. Select Workbench->save all modified resource automatically prior to Manuel rebuild
- C. Select java->compiler->classfile Generation and check the Add source file name to the generated class file checkbox
- D. Select Workbench->Build Order and Enter the required resources in the Build Order

Answer: A

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**QUESTION 59:**

Which of the following fields MUST be filled in when creating a JDBC provider?

- A. Class path
- B. Description
- C. Native path
- D. Database type
- E. Implementation class name

Answer: A,B,D

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**QUESTION 60:**

Which relationship among enterprise application projects, server instances, and server configurations are valid?

- A. A single project can be associated with multiple server configurations
- B. Multiple server configuration can share a common server instance
- C. A single server configuration can be associated with multiple project
- D. A single server configuration can only be configured with one project

Answer: A,C

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**QUESTION 61:**

Where would a developer look to ensure that cookies are enabled in the Websphere Test Environment?

- A. In the application xml file
- B. In the Java files where cookie information is retrieved
- C. In the Servers view of the Server perspective
- D. In the Web tab of the test server configuration

Answer: D

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**QUESTION 62:**

A Test Server instance gets deleted, but a web project is still associated with the server configuration. What will happen when a developer tries to test a servlet in the web project via the "Run on Server" menu items?

- A. With no server instance defined, the "Run on Server" menu item will be disabled
- B. A new server instance is automatically created and bounded to the existing server configuration, and then the servlet is invoked once the server is started
- C. The Server Selection dialog is displayed, a new server instance and configuration are created, the web project is added to the new server configuration then the servlet is invoked once the server is started
- D. An error dialog will appear indicating that there is a missing server instance

Answer: C

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**QUESTION 63:**

Which of the following statements describing the WebSphere Test Environment is FALSE?

- A. Supports multiple server instances that can be configured and run at the same time.
- B. Is a reduced functionality version of the IBM WebSphere Application Server software product
- C. Provides the ability to debug live server-side code
- D. Includes both WebSphere and Apache Tomcat test servers

Answer: B

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**QUESTION 64:**

Which of the following are valid destinations when using the Export wizard?

- A. EAR file
- B. WAR file
- C. DB2 Database
- D. CVS Repository

Answer: A,B

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**QUESTION 65:**

Files that are to be deployed in a WAR as part of a Web Project named Sales should be located under what directory?

- A. Sales/Web Content
- B. Sales/WEB-INF
- C. Sales/source
- D. Sales/Libraries

Answer: A

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**QUESTION 66:**

When inserting a <jsp:useBean> tag using the insert Bean menu option from the page Designer, the Scope attribute is set to "(Default)". This default value represents:

- A. session
- B. application
- C. page
- D. request

Answer: C

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**QUESTION 67:**

A <jsp:setProperty> tag is inserted using the insert Set Property menu option of the Page Designer to:

- A. Set a property value in a servlet parameter from a Bean property
- B. Set a property value in a Bean
- C. Set a servlet request parameter
- D. Set a servlet reply parameter

Answer: C

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**QUESTION 68:**

A Web Project called Sales is created under the Enterprise Application project CustomerRelationship, with context root "sales". Which of the following will result from creating this Web project?

- A. The application xml file of customerrelationship enterprise application project is updated with the web application and its context root
- B. A default page index.html is created and is made part of the welcome file list in the web xml file
- C. A Java project called SalesProject is also created to maintain the Java files of the web application
- D. A folder called Web Content is created that represents the structure of the war file when this web application is deployed

Answer: A,D

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**QUESTION 69:**

A web developer can effectively use the HTML Content Assist to:

- A. Finish a line of code or tag in the source editor.
- B. Perform spell checks on the content in the HTML page.
- C. Validate the syntax of the HTML content in the page
- D. Add an attribute-name value pair to a tag

Answer: A,D

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**QUESTION 70:**

When within a web project, called sales, should utility JARs referenced by servlets and JSPs of the web application be located?

- A. Sales/Web Content/Web-INF
- B. Sales/Web Content/Web-INF/classes
- C. Sales/Web Content/lib
- D. Sales/Web Content/WEB-INF/lib

Answer: A

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**QUESTION 71:**

A servlet class named com.ibm.certify.LoginServlet needs to be defined in the web.xml deployment descriptor. The developer is using the web.xml Editor to create the definition. Which of the following actions is considered the BEST practice?

- A. In the Servlet tab, add a corresponding JSP for the resulting servlet with URL mapping-login
- B. In the Servlets tab, and add the servlet with
- C. In servlet tab, add the servlet with no URL mapping, accepting the default
- D. In the Pages tab, add com.ibm.certify.LoginServlet to the welcome files list
- E. In the Pages tab, add an authentication method for com.ibm.certify.LoginServlet

Answer: B

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**QUESTION 72:**

When using the Create JavaBeans Wizard, which of the following elements can be created?

- A. Business Delegate
- B. Controller Servlet
- C. JavaBean Broker
- D. View Bean

Answer: B,D

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**QUESTION 73:**

When using the Create Database Web Pages Wizard to create web pages, which of the following information can be specified?

- A. A model that indicate the input and view pages generated
- B. The XML and XSL to generate the SQL for the desired statement
- C. The type of SQL statement to use
- D. Mapping between Java data types and Database data types

Answer: A,C

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**QUESTION 74:**

When converting a static Web project to a J2EE Web project, which of the following can be specified as module dependencies for a Web Project?

- A. An application client project associated with the same Enterprise Application Project.
- B. Another Web project associated with the same Enterprise Application Project.
- C. AJAR file in the associated Enterprise Application Project.
- D. A Java project in the workbench

Answer: C

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**QUESTION 75:**

Refactoring support allows a developer to:

- A. Experiment with and evaluate Java code expressions.
- B. Improve the internal structure of code without altering its external behavior.
- C. Override the system libraries and define a new JRE.
- D. Collect data on related Java program's runtime behavior.
- E. Rename a package.

Answer: B,E

---

**QUESTION 76:**

Which of the following views are in the Java Browsing perspective by default?

- A. Tasks
- B. Projects
- C. Members
- D. Outline
- E. Types

Answer: B, C, E

---

**QUESTION 77:**

Which of the following can be specified through the Java Properties dialog?

- A. Build classpath.
- B. Order of imports
- C. Code formatting rules
- D. Java runtime parameters
- E. Project references

Answer: A,E

---

**QUESTION 78:**

A developer realizes that different people on the team have entered the same hardcoded string constant value "pending" in various methods. The developer wants to create a PENDING constant in one location and reference that one constant everywhere it is used. What is the EASIEST way for the developer to find to all the occurrences of "pending:?"

- A. Select the search icon in the toolbar choose the File Search tab, and enter "pending" for the search expression
- B. Select the search menu option in the Outline view, choose the File Search tab,



and enter "pending" for the search expression

C. Select the search view, choose the Global Search option, and enter, "pending" for the search expression

D. Select the search menu option for the project, choose the file search tab, and enter "pending" for the search expression

Answer: A

---

#### **QUESTION 79:**

A developer is creating a new class which extends another class in the project. What automatic method generation option should be chosen to ensure that the class as initially created does NOT have any compilation error?

A. Private methods

B. "Main" method

C. Getters and setters

D. Inherited abstract methods

Answer: D

---

#### **QUESTION 80:**

By default, where are the class files for a Java project located on the file system?

A. In the location specifies in the war xml project configuration file

B. In the same directory as the corresponding java files

C. In the directory location entered when the project is created, since there is no default location

D. In a directory called "build" under the project directory

Answer: B

---

#### **QUESTION 81:**

A developer has written code for a class that has a number of unqualified names for class reference. The developer wants to use the Add import feature so that the code compiles with no errors without qualifying the references. How can this be accomplished?

A. Select an unqualified name, bring up its context menu, and select Source-> Add Import

B. Press Ctrl+A to select all the next, bring up the context menu, and choose Add Import

C. Bring up the context menu anywhere in the text area and choose Add Import

D. Go to Window->Preference-> Java->Organize imports and turn on auto imports

Answer: A

---

**QUESTION 82:**

After working on a java project, there are several errors and warnings listed in the Tasks view,. The developer wants to resolve a particular coding problem. Where an incorrect method name has been entered. What is the EASIEST way for the developer to reach the line containing the problem?

- A. Bring up the context menu on the problem and select the Refactor menu option
- B. Double-click on the problem to open the editor and enter the correct name
- C. Use the Search icon in the toolbar to find the incorrect code location, doubleclick on a search results entry to open the editor and enter the correct name
- D. On the project Properties pane, select java->Auto Complete

Answer: B

---

**QUESTION 83:**

From any given perspective, the Tasks view can be seen by:

- A. Switching to the Java Browsing perspective.
- B. Right clicking in an editor view and selecting View-> Tasks.
- C. Selecting Windows-> Show View-> Tasks
- D. Selecting Windows-> Preferences-> Java-> Appearance and Show Tasks view in all perspectives.

Answer: C

---

**QUESTION 84:**

Which of the following can be generated for a class in the Outline view?

- A. A finally clause
- B. A main()method
- C. Superclass constructors
- D. Getter and setter methods

Answer: C,D

---

**QUESTION 85:**

The Content Assist function in the Java editor CANNOT help find and complete.

- A. Matching close brackets
- B. Available methods
- C. Local variable names
- D. Import statements.

Answer: A

---

**QUESTION 86:**

A class has a main() method. A developer wants to run a test with certain execution parameters as arguments to the main() method. How does the developer specify these parameters?

- A. Fill in the parameters in the Arguments tab of the Launch Configurations dialog that appears immediately before execution
- B. Open the Properties for the project, select the Execution Arguments choice, and enter the parameters.
- C. Open the Properties for the class, select the Run with Arguments choice, and enter the parameters.
- D. Open the Properties for the main() method, select the Execution Arguments choice, and enter the parameters.

Answer: A

---

**QUESTION 87:**

A developer is creating a java Project. The new project will need a JAR file on order to execute properly. The JAR file will be referenced without importing the JAR file contents. How can developer use the Properties dialog to make this JAR file available after the project is created?

- A. Use the "Add External References..." option on the "project" tab to include the JAR file in the project build path.
- B. Use the "Add External JARs...." option on the "Libraries" tab to include the JAR file in the project build path.
- C. Use the "Add Variable" option on the "Libraries" tab to add an environment variable.
- D. Use the "Add Variable" option on the "Libraries" tab to add a class path variable.

Answer: B,D

---

**QUESTION 88:**

A developer is modifying a class that extends another class and implements multiple interfaces. How can the developer easily move between the classes and interfaces?

- A. Open the Hierarchy View for the class and click Show the Super type Hierarchy toolbar button.
- B. Open the Hierarchy View for the class and click show related types toolbar button
- C. Open the class in the editor and select show outline view for related types in the editors popup menu.
- D. Open the class in the editor and select show outline view for related types in the outline view's popup menu.

Answer: A

---

**QUESTION 89:**

In the Debug view, which of the following actions are available to a developer when a method is selected under a suspended thread?

- A. Resume execution
- B. Delete the method
- C. Restart the server
- D. Step over

Answer: A,D

---

**QUESTION 90:**

Which operations can be performed on the Breakpoints view of the Debug perspective?

- A. Disable breakpoints
- B. Set a new breakpoint
- C. Remove breakpoint
- D. Go to the file where the breakpoint was set
- E. Execute code until the selected breakpoint is reached

Answer: A,C,D

---

**QUESTION 91:**

What MUST be done in order for the test server to reload modified JSPs and servlet automatically during a debugging session?

- A. When creating the project, ensure that servlets and JSPs are created in a directory which is part of the reloadable classpath.
- B. Ensure the "Reloading enabled" checkbox in the web xml editor is selected
- C. Set WEBAPP-RELOAD on the request header
- D. Check the "Enable servlet and JSP reload" checkbox on the server instance

Answer: B

---

**QUESTION 92:**

Which of the following are TRUE regarding the Display view of the Debug perspective?

- A. Code in more than one line can be selected and executed
- B. Code assist can be used to complete method names
- C. Variables in scope are listed and their values can be displayed.
- D. The application must be suspended to use the Display view

Answer: A,B,C

---

**QUESTION 93:**

A developer is debugging a Web application and has set one or more breakpoints. What MUST be done to insure that the program will suspend when one of the breakpoints is reached?

- A. Make sure the breakpoint(s) are enabled.
- B. Compile the Java source including debug information
- C. When the class exists in a JAR file, make sure that it contains the source as well as the class files
- D. Start the server instance in debug mode
- E. Set the server instance to generate debug information

Answer: A,D

---

**QUESTION 94:**

During a debugging session, which of the following is FALSE?

- A. In-scope Variable values can be modified while suspended at a breakpoint
- B. Code can be changed in the source view
- C. Values of string variable cannot be modified
- D. The Log view keeps track of changes made to code
- E. The value of variable can be displayed by hovering the cursor over the variable name in the Source view.

Answer: D

---

**QUESTION 95:**

When stopped at a breakpoint in a JSP, what is displayed in the Source view?

- A. The java source of the servlet generated by the page compiler
- B. The original JSP source
- C. The original JSP source in comments and the corresponding page compiler output below
- D. The page compiler generated servlet with <META> tags representing the original source

Answer: B

---

**QUESTION 96:**

Which of the following are TRUE about the difference and similarities between the Scrapbook and Display view of the debugger?

- A. Inspector are available on the Scrapbook but not the Display view
- B. The "Run the Selected Code" toolbar icon (and function) is available on the Scrapbook but not the Display view
- C. Code on the Display view runs in the context of the current stack frame, and the code in the Scrapbook runs in a developer defined context.
- D. Code entered in both the Scrapbook and the Display view can be saved from the Workbench.

Answer: B,C

---

**QUESTION 97:**

The developer has never worked with an application and is now responsible for maintaining it. To understand the code, the developer will run the application in the debugger. The debugger will BEST assist the developer in learning the code because it enables the developer to:

- A. Observe console output for tracing information.
- B. Understand the application's memory requirements by analyzing the activity in running threads.
- C. Set breakpoints and step-through the code to analyze the program flow and logic.
- D. Set breakpoints on exceptions to understand why the exceptions occur.

Answer: C

---

**QUESTION 98:**

In which view MUST a developer work in order to create a new database table?

- A. Scheme
- B. DB Servers

- C. Data Definition
- D. Navigator
- E. JDBC

Answer: C

---

**QUESTION 99:**

Which of the following actions can be performed once a database design has been imported into a Data project?

- A. Create a local backup of the data in the database
- B. Run SQL queries against the database
- C. Analyze database performance statistics.
- D. Modify the database design.

Answer: B,D

---

**QUESTION 100:**

Which SQL commands are supported by the create SQL Statement wizard?

- A. Create
- B. Update
- C. Drop
- D. Select Distinct

Answer: B,D

---

**QUESTION 101:**

Which of the following steps does NOT need to be performed when importing data definitions into a project?

- A. Open the Data perspective
- B. Connect to the database
- C. Create the target project
- D. Select the data definitions to import

Answer: C

---

**QUESTION 102:**

A developer wants to populate a Web project from a Web site which resides on a remote server and contains servlets. The BEST way to import the site is to use.

- A. The HTTP import utility
- B. The File system import utility
- C. The Jar import utility
- D. The FTP import utility

Answer: D

---

**QUESTION 103:**

What is the primary advantage of closing a project?

- A. Closed projects use less memory and are not examined during builds, thus improving build times.
- B. A closed project is a finished project.
- C. You never close a project; it is automatically closed by WebSphere Studio.
- D. Closed project prevent develops from change source code.
- E. You must close a project before building it.

Answer: A

A project is either open or closed. When a project is closed, it cannot be changed in the workbench. The resources of a closed project will not appear in the workbench, but the resources still reside on the local file system. Closed projects require less memory. Since they are not examined during builds, closing a project can improve build time. When a project is open, the structure of the project can be changed and you will see the contents.

---

**QUESTION 104:**

Which of the following describe the types of searches that can be performed within the WebSphere Studio Workbench?

- A. Text
- B. Regular Expressions
- C. Java
- D. Grep
- E. Syntactical

Answer: C

You can perform two kinds of searches in the workbench: text searches and Java searches. Java searches are more precise and faster than text searches. Text searches match simple patterns and can find matches inside comments.



**QUESTION 105:**

Which of the following describes when the Extract Method Refactoring command should be used?

- A. To unclutter methods
- B. To simplify overly-complicated methods
- C. To remove methods
- D. To view a method in isolation
- E. Cleaning up lengthy methods

Answer: A, B, E

When you extract a method, the workbench extracts a range of code from an existing method body and creates a new method for it, also adding a call from the old method to the new method. This feature is useful for cleaning up lengthy, cluttered, or overly complicated methods.

---

**QUESTION 106:**

When importing into an existing EJB project, the deployment descriptor and extension information will be....

- A. Merged
- B. Overwritten
- C. Replaced
- D. Refined
- E. All of these answers apply.

Answer: A

If you import into an existing EJB project, the deployment descriptor and extension information will be merged. Note that assembly information will not be merged. When performing a selective import, any enterprise beans that are related to a selected enterprise bean by inheritance or relationship will automatically be selected for import.

---

**QUESTION 107:**

Two EJB projects in the same enterprise project share dependencies between them. Where are these dependencies set?

- A. Use the Module Dependencies page of the Import wizard
- B. Use the EJB page of the individual projects to set the dependencies to the same UDDI
- C. It is not possible to set the dependencies
- D. Use the deployment descriptors of the enterprise project.
- E. Use the config.xml file

Answer: A

It is recommended you accept the default settings on the Define Java Build Setting page. To set dependencies between one EJB project and another EJB project within the same enterprise application, use the Module Dependencies page of the Import wizard.

---

**QUESTION 108:**

The Web Shere Studio builder will also copy non-Java resources (e.g. GIF files into the output folder). What is the best way to prevent the builder coping non-Java resources?

- A. Create an ordinary folder and store the resources there
- B. Change them to Java resources
- C. Delete them from the project
- D. Disable their flag in the manifest

Answer: A

You can organize Java projects in two different ways:

Using the project as the source container. In this organization, all Java packages are created directly inside the project. This is the recommended organization for simple projects. The generated .class files are stored along with the .java source files.

Using source folders as the source container. In this organization, packages are created not directly inside the project, but in source folders. You create source folders as children of the project and create your packages inside these source folders. This is the recommended organization for more complex projects. It allows you to subdivide packages into groups. Depending on the file organization you choose when creating the project, the class files are either stored along with the Java files in the project folder or, if you are using source folders, the class files are stored in a separate output folder. The builder will also copy non-Java resources e.g. GIF files into the output folder. If you have non-Java resources that should not be copied into the output folder, for example a read me file, you can create an ordinary folder and store the resources there.

---

**QUESTION 109:**

Which of the following are valid properties of Schema?

- A. Name
- B. Database name
- C. Server
- D. Cluster
- E. Folder

Answer: A, B, E

Schemas have the following properties:

Folder - The name of the Workbench folder that holds the current schema.

Name - The schema's name.

Database name - The name of the database the schema belongs to.

---

**QUESTION 110:**

Which of the following best describes the valid number of VMs you can have running for each scrapbook page?

- A. 4
- B. None
- C. Unlimited
- D. 1
- E. 2
- F. 3

Answer: D

A VM is launched for each scrapbook page in which expressions are being evaluated. The first time an expression is evaluated in a scrapbook page after it is opened, a VM is launched. The VM for a page will remain active until the page is closed, terminated explicitly (in the debugger), or when a System.exit() is evaluated.

---

**QUESTION 111:**

Which of the following is not a valid scope attribute for the <jsp:useBean> action element?

- A. Page
- B. Request
- C. Session
- D. Application
- E. Servlet
- F. (Default)

Answer: E

The scope attribute for the bean is a string value. The available options are (default), page, request, session, or application. (Default) is page scope. This indicates the bean can be used within the JSP page.

---

**QUESTION 112:**

The SQL query wizard supports which of the following SQL commands?

- A. UPDATE
- B. DELETE

- C. ALTER
- D. DROP
- E. ROLLBACK
- F. CREATE

Answer:

A. B

You can create an SQL statement using either the SQL query builder or the SQL query wizard. Both tools support the creation of SELECT, UPDATE, INSERT and DELETE statements. The SQL query builder also supports WITH (DB2 only) and FULLSELECT statements. Any statement you create is stored in a file with the extension .sqx.

---

### QUESTION 113:

Which of the following best describes WAR file(s)?

- A. A WebSphere application
- B. A contention determining algorithm
- C. A WebSphere access to resources file
- D. None of these define a WAR file
- E. A packaged Web application

Answer: E

A Web application is a group of HTML pages, JSP pages, servlets, and other resources, along with source files, optionally, that can be managed as a single unit. A Web archive (WAR) file is a packaged Web application. WAR files can be used to import a Web application into a Web server.

---

### QUESTION 114:

Depending on the file organization selected when creating a project, where are the class files stored?

- A. The class files are stored along with the Java files in the project folder
- B. The class files are stored in a separate output folder
- C. Class files are always stored in the Java project files in the project folder
- D. Class files are not stored

Answer: A, B

You can organize Java projects in two different ways:

Using the project as the source container. In this organization, all Java packages are created directly inside the project. This is the recommended organization for simple projects. The generated .class files are stored along with the .java source files.

Using source folders as the source container. In this organization, packages are created

not directly inside the project, but in source folders. You create source folders as children of the project and create your packages inside these source folders. This is the recommended organization for more complex projects. It allows you to subdivide packages into groups.

Depending on the file organization you choose when creating the project, the class files are either stored along with the Java files in the project folder or, if you are using source folders, the class files are stored in a separate output folder. The builder will also copy non-Java resources e.g. GIF files into the output folder. If you have non-Java resources that should not be copied into the output folder, for example a readme file, you can create an ordinary folder and store the resources there.

---

**QUESTION 115:**

Can a file of any type exist outside a WebSphere Studio project?

- A. It depends upon the file type.
- B. Yes, but you must include it in the manifest.
- C. No, a file Cannot exist outside a WebShere Studio project
- D. It depends upon the file type.

Answer: C

In the workbench, all of your work is organized in projects. For example, folders and files are grouped into projects. Collectively, all of these elements are known as resources.

A file cannot exist outside a project, so you must first create a new project. We will create a Java project, which creates the correct project structure so that the project can be built. From the main toolbar, click the drop-down menu from the Open The New Wizard icon and click Project. The New Project wizard opens.

In the left pane, click Java. In the right pane, click Java Project.

Click Next. The New Java Project wizard opens.

In the Project Name field, type the project name you desire.

Click Finish.

Java Development

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**QUESTION 116:**

Which of the following, in a Java Bean Web Page wizard, is referred to as the single point of entry for all requests to the Web region?

- A. Input form
- B. Result page
- C. View Bean
- D. Broker
- E. Controller servlet
- F. Agent Manger

Answer: E

The Controller Servlet is referred to as the single point of entry for all requests to the Web Region when using the Create Java Bean Webpages wizard.

---

**QUESTION 117:**

Which of the following best describes how to monitor requests and responses between a Web browser and an application server?

- A. Use TCP/IP Monitoring Server
- B. Create a WatchDog function
- C. Write custom code
- D. Use monitors
- E. Use agents

Answer: A

A run-time environment called the TCP/IP Monitoring Server is also packaged with the Server Tools feature. This is a simple server that monitors all the requests and responses between the Web browser and an application server. It also monitors TCP/IP activity. This run-time environment can only be run locally. You cannot publish projects to the TCP/IP Monitoring Server.

---

**QUESTION 118:**

Which one of the following can not be accomplished using the HTML content assist?

- A. Suggestions for completion
- B. Complete a tag name
- C. Add an attribute name-value pair
- D. Select from an enumerated list of attribute values
- E. Format code

Answer: E

Content assist helps finish a tag or line of code in the source editor. Content assist also enables you to select and insert macros in the Web Source editor. The placement of the cursor in the source file provides the context for the content assist to offer suggestions for completion. HTML is flexible, in that some HTML elements allow end tags to be optionally omitted, such as P, DT, DD, LI, THEAD, TR, TD, TH, and so on. Other HTML elements that are defined to have no content may require the end tag always be omitted, such as BR, HR, LINK, META, and IMG. This flexibility makes the content assist function less precise than it might be with a more rigidly constrained markup language.

HTML content assist is most beneficial when you need to complete a tag name, add an attribute name-value pair within a start tag, or select from an enumerated list of attribute values.

---

**QUESTION 119:**

Which of the following statements regarding the WebSphere test environment is false?

- A. Provides the ability to debug live server-side code
- B. Stand-alone all-in-one testing
- C. Does not provide access to the WebSphere Application Server administration console
- D. Provides limited functionality compared to the WebSphere Application Server product
- E. Has no dependency on WebSphere Application Server installation or availability
- F. Supports multiple servers that can be configured and run at the same time

Answer: C, D

The WebSphere test environment that is installed with WSAD contains the complete runtime environment of WebSphere Application Server. This environment is referred to as the WebSphere test environment.

The test environment includes a local copy of the full IBM WebSphere Application Server Advanced Single Server Edition for Multiplatforms V4 AES and WebSphere Application Server V5 (referred to in the documentation as WebSphere Application Server) run-time environments, where you can test Web projects, EJB projects, Java Application client projects, and Enterprise Application projects.

The WebSphere test environment offers the following benefits:

Stand-alone all-in-one testing

No dependency on WebSphere Application Server installation or availability

No dependency on an external database even when entity bean support is required

Provides the ability to debug live server-side code

Supports configuring multiple Web applications

Supports multiple servers that can be configured and run at the same time

Provides access to the profiling feature

Provides the ability to version server configurations

Provides a Universal Test Client where you can test your enterprise beans and Java classes

Provides access to the WebSphere Application Server Administration Console

Provides the ability to automatically create tables and data sources for testing CMP beans

Supports sharing servers with multiple development clients

Supports hot-code replace in the V5 WebSphere test environment

The important key points to remember are the product is not limited in functionality and you do have access to the Administration Console.

---

**QUESTION 120:**

Which of the following best describe the difference between attaching to a process and launching a process?

- A. Launching a process causes the monitoring of the agents to start automatically.
- B. Attaching an agent to a process causes you to manually start monitoring of the agent

- C. There is no difference
- D. You can not attach to a process without first configuring it to be monitored by an agent
- E. Launching an agent requires you to select the process to attach to

Answer: A, B

The following tasks are possible using the workbench:

Profiling by launching a Java process

Profiling by attaching to a Java process

Profiling using the WebSphere test environment

Profiling using WebSphere Application Server

When you attach to an agent in a process, you have to manually start monitoring the agents by selecting Start Monitoring from the pop-up menu of the agent. However, when you launch a process, monitoring of the agents is started automatically. You can analyze the collected data by opening the profiling views.

---

### **QUESTION 121:**

Which of the following elements are not created when using the Create Database Web Pages wizard?

- A. Master view
- B. Details view
- C. Singleton
- D. Front Controller
- E. Data Access Broker
- F. Input form

Answer: C, E

The following elements are created when using the Create Database Web Pages Wizard:

Input form - Design the web page to be used to collect host variables to be used in your query.

Select Master view - Displays the details of a select statement results as a Table.

Select Details view - Displays the details of one row from the Master Table View.

Front Controller - The front controller works as a single point of entry for all requests to the Web Region. This Servlet gives you a place to put activities like logging, authentication, etc.

---

### **QUESTION 122:**

Which of the following occurs when a non-static public method is renamed?

- A. All methods subclassing it are changed to the new name
- B. It depends on the variables and how they are used
- C. All methods overriding it will be renamed and all references to them updated
- D. No methods are updated for non-static public methods
- E. Methods referencing the non-static public method are renamed private



Answer: C

Renaming a method declared in an interface will also rename and update all references to all methods that are abstract and non-abstract implementations of that method. All such methods in all subclasses of the interface in which the method is declared will be renamed. When renaming a non-static method declared as public, package visible, or protected, all methods overriding it will also be renamed and all references to them updated.

---

**QUESTION 123:**

You need to specify Taglib directives. How is this task best accomplished?

- A. `<% @ taglib uri="ROOT_REL_URI" prefix="foo"%>`
- B. `<% @ taglib uri="NOROOT_REL_URI" prefix="foo"%>`
- C. `<% @ taglib uri="DOCUMENTROOT_REL_URI" prefix="foo"%>`
- D. `<% @ taglib uri="CONTEXTROOT_REL_URI" prefix="foo"%>`
- E. `<% @ taglib uri="ABS_URI" prefix="foo"%>`

Answer: A, B, E

Taglib directives can be specified in one of three ways:

For a directive expressed as an absolute URI, the URI for the taglib (TLD\_URI) corresponds to the taglib location value (taglib-location) as follows:

`<% @ taglib uri="ABS_URI" prefix="foo" %>`

where ABS\_URI is an absolute URI.

For a directive expressed as a relative URI that starts with '/', the URI for the taglib (TLD\_URI) corresponds to the taglib location value (taglib-location) as follows:

`<% @ taglib uri="ROOT_REL_URI" prefix="foo" %>`

where ROOT\_REL\_URI is a relative URI that starts with '/' .

For a directive expressed as a relative taglib-uri value that does not start with '/', the URI for the taglib (TLD\_URI) corresponds to the taglib location value (taglib-location) as follows:

`<% @ taglib uri="NOROOT_REL_URI" prefix="foo" %>`

1.where NOROOT\_REL\_URI is a relative URI that does not start with '/'

---

**QUESTION 124:**

When importing into an existing EJB project the deployment descriptor and extension information will be merged; what will happen with the assembly information?

- A. The assembly information is not overwritten
- B. There is no assembly information in an EJB project
- C. The assembly information is merged
- D. The assembly information is not merged
- E. The assembly information is overwritten

Answer: D

Select the resources to import. If you import into an existing EJB project, the deployment descriptor and extension information will be merged. Note that assembly information will not be merged. When performing a selective import, any enterprise beans that are related to a selected enterprise bean by inheritance or relationship will automatically be selected for import.

---

**QUESTION 125:**

Which one of the following best describes refactoring?

- A. Changing the names of the objects to conform the project standards
- B. Revising the naming of variables
- C. Behavior-preserving program transformations
- D. Transforming the project directory structure
- E. Dividing the components into smaller more usable packages

Answer: C

Refactoring means behavior-preserving program transformations.

---

**QUESTION 126:**

A Wbsphere developer has customized a perspective by adding, deleting and moving views. How can the developer save changes to the perspective for future use?

- A. Click Window > Compile Perspective
- B. Click Window > Close Perspective
- C. Click Window > Customize Perspective
- D. Click Window > Lock the Perspective
- E. Click Window > Save Perspective As
- F. Customized perspectives can not be saved

Answer: E

After a developer has modified a perspective by doing such tasks as adding, deleting, or moving (docking) views, the developer can choose to save the changes for future use. The developer would switch to the perspective that they want to save and click Window > Save Perspective As and enter a new name for the perspective into the Name field and click OK. The name of the new perspective is added to the Window > Open Perspective menu and can be used the next time the WASD is launched.

---

**QUESTION 127:**

Which of the following statements regarding server configurations and projects is true?

- A. A single project can be configured with many server configurations

- B. A server configuration can only have one project associated with it
- C. A server configuration can have many projects associated with it
- D. A single project can be configured only with a single server configuration

Answer: A, C

The Server Configuration view allows the developer to manage the servers and configurations. This view displays a list of all the servers that reside in your workspace. (without displaying their associated server projects).

To view the server configurations, click the Menu icon and select View > Advanced. The advanced Server Configuration view opens, displaying the servers and their associated configurations. Use the Server Configuration view to perform the following tasks:

Create a server and configuration

Edit a server

Delete a server

Start a server in debug mode

Start a server

Start a server in profiling mode

Restart a server

Stop a server

Disconnect from a server

Publish your application

Switch configuration

Add a project to a server

You can open a server and add all projects or add one project. This can be useful if you want to test your project on WAS v4 and on WASv5.

---

#### **QUESTION 128:**

Which of the following database vendors are being used if the host variable is preceded by @ symbol?

For example:

@NAME where NAME is the name of the host variable

- A. DB2
- B. Oracle
- C. Informix
- D. Sybase
- E. SQL Server
- F. MySQL

Answer: D, E, F

For Sybase, SQLServer and MySQL, you would use @NAME where NAME is the name of the host variable. For all others database vendors, you would use :NAME where NAME is the name of the host variable. The symbol used depends on the what syntax your database vendor uses to denote variables

**QUESTION 129:**

Which of the following best describes the steps required to change the name of the build output folder?

- A. After the build, rename the folder manually
- B. Change the manifest mf.
- C. Change the ANT build script.
- D. Replace the default name in the "Build Output Folder" field
- E. You can not change the build output folder name

Answer: D

If you want to use a different name for the output folder, you should replace the default name in the Build Output Folder field.

---

**QUESTION 130:**

Which of the following best describes why a developer would work with monitors?

- A. Monitors are used as logical containers for objects and data that are created during the process of profiling your Java applications.
- B. Monitors provide information about your application through invasive techniques
- C. Monitors check the status of the system on which your application is running only.
- D. Monitors are necessary to report to management

Answer: A

Monitors are required as logical containers for objects and data that are created during the process of profiling your Java applications.

Monitors, along with other profiling resources, are created in the Monitors view whenever you launch either a local Java process, or a remote one e.g., using the Profile button on the main toolbar, and stepping through the associated wizards.

---

**QUESTION 131:**

When using the Create Database Web Pages wizard to create Web pages, which one of the following is not a valid type of SQL statement to use?

- A. Insert statement
- B. Delete statement
- C. Update statement
- D. Alter Statement
- E. Select statement

Answer: D

The create database webpages wizard to create web pages has the option of using either a select statement, insert statement, delete statement or an update statement as a SQL statement to use.

---

**QUESTION 132:**

In the WebSphere Studio workbench, the Properties view provides which of the following?

- A. Options for changing the appearance and state of objects in the manifest that you are editing
- B. Options for changing the appearance and state of objects in the file that you are editing
- C. Options for changing the appearance and state of widgets in the file that you are editing
- D. Options for changing the appearance and state of classes in the file that you are editing
- E. Options for changing the appearance and state of objects in the project that you are editing

Answer: B

The Properties view provides options for changing the appearance and state of objects in the file that you are editing. To open the Properties view, click Perspectives > Show View > Properties.

---

**QUESTION 133:**

The web.xml file must reside in which one of the following directories under the context of the hierarchy of directories that exist for a Web application?

- A. WEB
- B. WEB-INF
- C. CLASSES
- D. LIB

Answer: B

The web.xml file must reside in the WEB-INF directory under the context of the hierarchy of directories that exist for a Web application. For example, if the application is client.war, then the web.xml file is placed in the install\_root/client war/WEB-INF directory.

---

**QUESTION 134:**

A developer has used the <jsp.useBean> action element to locate and instantiate a JavaBean. The developer left the scope attribute set of default. Which one of the following best describes the default scope?

- A. Session
- B. Application
- C. Project
- D. Perspective
- E. Pages

F. Request

Answer: E

The scope attribute for the bean is a string value. The available options are (default), page, request, session, or application. (Default) is page scope. This indicates the bean can be used within the JSP page.

---

**QUESTION 135:**

Which of the following describes the tools you would find in the WebSphere Studio for Web development?

- A. Web Source Editor
- B. Web.xml editor
- C. Content assist
- D. Dtd and schema mapping
- E. Wizards

Answer: A, B, C, E

IBM has packaged into WebSphere Studio: Wizards, A Web Source Editor, the web.xml editor, content assistance of java, jsp, and html

---

**QUESTION 136:**

Which of the following best describes the scrapbook facility?

- A. Can be used to note project status, code annotations and comments
- B. All of these answers apply
- C. Can be used to experiment and evaluate Java code snippets before building a complete Java program
- D. Can be used to note frequently use Java code snippets for easy access to use in Java program

Answer: C

The Java Development Tools (JDT) contributes a scrapbook facility. The scrapbook facility can be used to experiment and evaluate Java code snippets before building a complete Java program. Snippets are edited and evaluated in the Scrapbook page editor, with resultant problems reported in the editor.

---

**QUESTION 137:**

Choose the definition for the repository in WebSphere Studio:

- A. A database for source code and history
- B. A place holding source code, help files, and revision history
- C. A persistence mechanism use by developers only, not production
- D. A storage methodology prescribed by IBM

E. A persistent data store that coordinates multi-user access to software versions (projects and software snapshots (team streams))

Answer: E

The team development environment in WebSphere Studio enables a pluggable repository instead of a proprietary repository, and an optimistic concurrency model. A repository is a persistent data store that coordinates multi-user access to software versions (projects) and software snapshots (team streams).

---

**QUESTION 138:**

Which of the following can be performed when refactoring a compilation unit?

- A. Divide the compilation unit
- B. Combine the compilation unit
- C. You can not refactor a compilation unit
- D. Rename the compilation unit
- E. Move the compilation unit

Answer: A, D, E

A developer can choose to rename and or move a compilation unit to another package.

---

**QUESTION 139:**

A server configuration contains information that is required to perform which of the following?

- A. Set up and publish a server
- B. Set up a project
- C. Deploy and application
- D. Create an EJB
- E. Access a secure resources

Answer: A

Once you have created a server project, you need to create a server instance and a server configuration. A server instance identifies the run-time environment that you want to use for testing your project resources. A server configuration contains information that is required to set up and publish a server.

---

**QUESTION 140:**

Which one of the following components automatically manages refactoring for you, the Websphere developer?

- A. The Refactor Engine (RE)
- B. The JDT
- C. The Compiler
- D. The JIT Engine

Answer: B

The goal of refactoring support is to allow for making improvements to code without changing the behavior of the code.

When you refactor code, the goal is to make a system-wide coding change without affecting the semantic behavior of the system.

Refactorings are managed by the JDT.

---

**QUESTION 141:**

In WebSphere Studio, how do you control access to the files within the repository?

- A. When placing an object in the repository, its permissions must be set.
- B. There is an option page for setting the default permissions
- C. Owners and creators of files have full permissions, other must copy
- D. Objects are owned by their creators and must be released upon request
- E. Write access is controlled by permissions associated with the directory structure

Answer: E

Unlike some proprietary repositories, the workbench does not have any notion of object ownership. Write access is controlled by whether you have write permission to the directory that holds the resource. Anyone who is authorized to the resource can create, edit, or delete the resource. Typically each SCM user will have an account on the server so that actions will be logged to particular user ids. The creation of users and groups is done by the SCM server administrator.

---

**QUESTION 142:**

Source folders should be used under what circumstances?

- A. To organize the packages of large projects
- B. Only for Web Projects
- C. Only for Enterprise Projects
- D. Never
- E. Always

Answer: A

Each Java project locates its Java source files via one or more source type entries on the project's classpath. Use source folders to organize the packages of a large project into



useful grouping, or to keep source code separate from other files in the same project. Also, use source folders if you have files (e.g., documentation) which need not be on the build path.

---

**QUESTION 143:**

Which of the following are valid host variables depending upon the database vendor?

- A. ?NAME
- B. %NAME
- C. |NAME
- D. :NAME
- E. @NAME
- F. !NAME

Answer: D, E

For Sybase, SQLServer and MySQL, use @NAME where NAME is the name of the host variable.

For all others database vendors, use :NAME where NAME is the name of the host variable

The symbol used depends on what syntax the database vendor uses to denote variables

---

**QUESTION 144:**

Which one of the following best describes the purpose of refactoring?

- A. Recompiling all source code, while preventing exceptions
- B. None of these answers apply
- C. Improving your code, without changing its behavior
- D. Improving your code, by changing its behaviors

Answer: C

The goal of refactoring support is to allow for improving your code without changing its behaviors. When you refactor your code, your goal is to make a system-wide coding change without affecting the semantic behavior of the system. The JDT automatically manages refactorings for you.

---

**QUESTION 145:**

Select from the following the option available when generating XML from SQL, using the XML from SQL wizard:

- A. Select output folder
- B. Select the WAR
- C. Select the options you have when generating XML from SQL using the wizard from the following:
- D. Generate schema definition

E. Generate a template file

Answer: A, C, D, E

An XML file can be created with the results from an SQL query. You can choose to create an XML schema or DTD file that describes the structure that the XML document has for use in other applications. An XSL file is also created that is then applied to the XML to create an HTML file for easy viewing of the result.

An optional query template file can be generated if you wish to dynamically create XML documents from the SQL query at runtime. The template file has the extension .xst. See the section "Dynamically generating XML from SQL" for additional information.

To generate these files, use the XML from SQL wizard. The wizard is launched in from the Outline view by selecting Generate new XML from the pop-up menu of a query or from the pop-up menu of the query in the Data view.

The wizard has the following options:

- Specify mapping patterns
- Generate schema definition
- Generate a template file
- Select output folder

---

**QUESTION 146:**

How do you add a Web project as a module to an Enterprise Application?

- A. Open the application.xml editor for the Enterprise Application project and change the deployment descriptors
- B. Open the application.xml editor for the Enterprise Application project and select the Add option the General page
- C. Open the application.xml editor for the Enterprise Application project and select the Include option in the General page.
- D. Open the application.xml editor for the Enterprise Application project and select the Append option in the General page
- E. Open the html.xml editor for the Enterprise Application project and select the Add option in the General page

Answer: B

If you want to add a Web project as a module to another Enterprise Application project in the future, you can open the application.xml editor for the Enterprise Application project and select the Add option in the General page.

---

**QUESTION 147:**

A developer used the Help to search for a document on Java scrapbook page. Later the developer searched on Evaluating Snippets. The developer would like to return to the document on Java scrapbook page. How can the developer best perform this?

- A. Click the Go Forward button to display the previously displayed page
- B. Click the Go back button to display the previously displayed page
- C. Click the Synchronize Navigation to display the previously displayed page.
- D. Click the Contents Tab to display the previously displayed page

Answer: B

The following buttons are useful when navigating the Help:

Go Back button - Click this button to display the previously displayed page.

Go Forward button - Click this button if you have just used the Go Back button. Click it to display a previously displayed page.

Synchronize Navigation button - Click this button to match the navigation tree up to the topic currently shown in the content frame.

Bookmark Document - Click this button to add the currently displayed document to the Bookmarks view.

---

**QUESTION 148:**

How would you ensure that an imported EJB JAR containing only binary, class files is correctly mapped and deployed?

- A. This accomplished by de-compiling the imported EJB JAR and then importing the created source
- B. This is accomplished by retaining the binary files from an imported EJB JAR file and adding them to a library JAR file in the project, and adding that library to the build path of the EJB
- C. This is accomplished by introducing the external EJB JAR path to the ANT build script manually
- D. This can not be accomplished with WebSphere Studio
- E. This is accomplished by WebSphere Studio automatically

Answer: B

WebSphere Studio supports the import of an EJB JAR file that contains binary .class files only (no source code). The beans can be mapped and/or deployed code generated, or new enterprise beans that depend on the contents of the JAR can be created. This is accomplished by retaining the binary files from an imported EJB JAR file and adding them to a library JAR file in the project, and adding that library to the build path of the EJB project.

---

**QUESTION 149:**

How is the option set to cause content assist to pop-up automatically when type specified characters?

- A. Click Window> Preferences to open the Preferences widow, than click XML > XML Source. In the Content assist group box, select the Automatically make suggestions check box, and supply any additional characters that should trigger content assist
- B. Set your XML editor plug-in to accommodate this function
- C. Tight click the icon XML editor
- D. You can't, as this is not a customizable option

Answer: A

You can launch content assist in any of the following three ways:

From the Edit menu, click Content Assist, or

Press Ctrl+Space, or

Select Content Assist from the Source view context menu.

In addition, you can set up an option that causes content assist to pop up automatically when certain characters are typed. To set up this option, click Window > Preferences to open the Preferences window, then click XML > XML Source. In the Content assist group box, select the Automatically make suggestions check box, and supply any additional characters that should trigger content assist.

---

**QUESTION 150:**

Which of the following database vendors are being use if the host variable is precede by the : (colon) symbol?  
For example:

:NAME where NAME is the name of the host variable

- A. SQL Server
- B. MySQL
- C. DB@
- D. Oracle
- E. Informix
- F. Sybase

Answer: C, D, E

For Sybase, SQLServer and MySQL, you would use @NAME where NAME is the name of the host variable.

For all others database vendors, you would use :NAME where NAME is the name of the host variable

The symbol used depends on the what syntax your database vendor uses to denote variables

---

**QUESTION 151:**

Two EJB projects in the same enterprise project share dependencies between them.  
Where are these dependencies set?

- A. Use the Module Dependencies page of the Import wizard
- B. Use the EJB page of the individual projects to set the dependencies to the same UDDI
- C. It is not possible to set the dependencies
- D. Use the deployment descriptors of the enterprise project.
- E. Use the config.xml file

Answer: A

It is recommended you accept the default settings on the Define Java Build Setting page.

To set dependencies between one EJB project and another EJB project within the same enterprise application, use the Module Dependencies page of the Import wizard.

---

**QUESTION 152:**

If your cursor is in a position where content assist is available, a pop-up list of available choices is displayed when you launch content assist. The list is based on:

- A. The content
- B. The default options
- C. The directory tree
- D. The schema
- E. The context

Answer: E

If your cursor is in a position where content assist is available, a pop-up list of available choices is displayed when you launch content assist. The list is based on the context. For example, if you have an Address element that can contain any of the following children elements: Name, Street, City, Zip Code, Country, and Province, if you place your cursor after any of them and launch content assist, all of the child elements will be listed in the content assist list. The content assist list displays all valid tags for the current cursor position, including macros. If your grammar constraints are turned off, all available tags, not just valid ones are displayed.

---

**QUESTION 153:**

Which of the following best describes when the VM terminates for a scrapbook page?

- A. Never
- B. There is no VM associated with a scrapbook page it uses that is supplied by the WebSphere Studio
- C. The scrapbook page is closed
- D. The scrapbook page is explicitly terminated
- E. A System.exit() is evaluated

Answer: C, D, E

The VM for a page will remain active until the page is closed, terminated explicitly (in the debugger), or when a System.exit() is evaluated.

---

**QUESTION 154:**

Which of the following options are available when generating XML from SQL using the XML from SQL wizard?

- A. Generate a template file

- B. Select output folder
- C. Select the WAR
- D. Select the options you have when generating XML from SQL using the wizard from the following
- E. Generate schema definition

Answer: C

An XML file can be created with the results from an SQL query. You can choose to create an XML schema or DTD file that describes the structure that the XML document has for use in other applications. An XSL file is also created that is then applied to the XML to create an HTML file for easy viewing of the result.

An optional query template file can be generated if you wish to dynamically create XML documents from the SQL query at runtime. The template file has the extension .xst. See the section "Dynamically generating XML from SQL" for additional information.

To generate these files, use the XML from SQL wizard. The wizard is launched in from the Outline view by selecting Generate new XML from the pop-up menu of a query or from the pop-up menu of the query in the Data view.

The wizard has the following options:

- Specify mapping patterns
- Generate schema definition
- Generate a template file
- Select output folder

---

#### **QUESTION 155:**

When importing EJB JAR to WebSphere Studio, the JAR file is added to the run time class path of the EJB module, in the file META-INF/MANIFEST.MF. What does this allow?

- A. This allows decompilation of the EJB JAR within WebSphere Studio
- B. This allows the developer to do whatever customization he/she should desire.
- C. This allows the EJB JAR shape to be mapped appropriately.
- D. This allows the WebSphere Studio access to all files within the JAR
- E. This allows the beans to run on the server for testing

Answer: E

The JAR name will be in the form of "xxx.imported\_classes.jar". The ".imported\_classes.jar" file will contain only .class files. All other files (e.g., source files, .properties files, etc.) are copied to the source folder of the EJB project during import. This strategy allows the EJB tools to reflect the shape of the binary Java classes, in order to map, assemble, and deploy the imported JAR.

Additionally, the JAR file is added to the run time class path of the EJB module, in the file META-INF/MANIFEST.MF. This allows the beans to run on the server for testing.

---

#### **QUESTION 156:**

When importing into an existing project with enterprise beans, what happens to the EJB JARS and their manifests?

- A. The EJB JARs will be merged. You must select one manifest, and you cannot have a schema or map in either project.
- B. The EJB JARs and the manifests are merged
- C. The EJB JARS are merged and you must create a new manifest
- D. The EJB JARs are merged and you must select one or the other of the manifests.

Answer: A

If you import into an existing projects that already has enterprise beans, the EJB JARs will be merged. You must select one manifest, and you cannot have a schema or map in either project.

---

**QUESTION 157:**

Which one of the following is not a valid export destination when using the Export wizard?

- A. EAR file
- B. FTP
- C. WAR file
- D. DB2 database
- E. RAR file
- F. File system

Answer: D

All of the given answers are valid export wizard destinations except for SQL database. The export wizards do not support exporting to a database (DB2, SQL, etc) or to a CVS file.

---

**QUESTION 158:**

A perspective defines an initial set and layout of views and editors for performing a particular set of development activities. One or more perspectives can be open in a single workbench window. You can switch between perspectives in the same window, or you can open them in new workbench windows. Can you create new perspectives or customize existing one by adding, deleting rearranging views?

- A. Yes, you can create new perspectives or customize existing ones by adding, deleting and rearranging views.
- B. No you can not create new perspectives or customize existing ones by adding, deleting, and rearranging views.
- C. You can only create new perspectives but can not customize existing ones by adding, deleting and rearranging views.
- D. You can not create new perspectives, but you can customize existing ones by adding, deleting and rearranging views

E. None on these answers apply.

Answer: A

A perspective defines an initial set and layout of views and editors for performing a particular set of development activities. One or more perspectives can be open in a single workbench window. You can switch between perspectives in the same window, or you can open them in new workbench windows. For example, you could keep the Help perspective open in a separate window as you work through a task.

You can create new perspectives or customize existing ones by adding, deleting, and rearranging views.

---

**QUESTION 159:**

Select the valid types of J2EE projects.

- A. EJB project
- B. Application client project
- C. Java project
- D. All of these answers apply.
- E. Enterprise Application project
- F. Web project

Answer: D

Application elements are organized at the highest level into projects. A project is a grouping of resources needed for a specific task. It consists of a collection of folders and files related to a specific task. There are unique project types for developing J2EE applications:

Enterprise Application projects contain the resources needed for enterprise applications and can contain a combination of Web modules, EJB modules, JAR files, and application client modules. An Enterprise Application project is deployed in the form of an .ear file.

Web projects contain the resources needed for Web application, including servlets, JSPs, Java files, static documents, e.g. HTML pages or images, and any associated metadata. A

Web project reflects the structure and hierarchy of folders and files necessary to permit

Web module-level activities to be performed by various roles. A Web project is deployed as a Web module (WAR file).

EJB projects contain the resources for EJB applications. An EJB project is deployed as an EJB module (JAR file).

Application client projects contain the resources needed for application client modules.

An application client project is deployed as a JAR file

Java projects contain Java code. They have an associated Java builder that can incrementally compile Java source files as they are changed. Java projects can be exported as JAR files or into a directory structure.

Server projects describe the test environment for applications. Server projects contain the information necessary to deploy an application to an application server for testing.

Simple projects are generic projects that contain source code.

---



**QUESTION 160:**

A developer has found a useful topic in help and wishes to mark it for easier access later. How would the developer accomplish this?

- A. Right click the document and select "Bookmark Document"
- B. Select "Actions - Bookmark Document" from the Actions menu
- C. Press ALT+ENTER and write the document URL down for later use
- D. Select the "Bookmark Document" icon in the help toolbar

Answer: D

This "Bookmark Document" button adds the currently displayed document to the Bookmarks view. Bookmarks can be viewed by selecting the "Bookmarks Tab" which displays topics that were bookmarked using Bookmark Document button.

---

**QUESTION 161:**

What must be done to Profile an application in stand-alone mode?

- A. Define the filters in filters.txt
- B. None of these allows for Profiling in standalone mode
- C. Install IBM Agent Controller
- D. Uninstall WebSphere Studio
- E. Reinstall WebSphere Studio with the options set to STANDALONE

Answer: C

You can profile an application in stand-alone mode (that is, from the command line, without having WebSphere Studio installed.

Install the IBM Agent Controller on your machine. Refer to the installation guide for this product for instructions on how to install the Agent Controller on different platforms.

If you already have the Agent Controller installed, make sure that it is running. See the task Starting and stopping the Agent Controller.

Define the filters to be used to profile your application in stand-alone mode.

---

**QUESTION 162:**

When does the VM terminate for scrapbook page?

- A. The scrapbook page is explicitly terminated
- B. A System exit() is evaluated
- C. Never
- D. There is no VM associated with a scrapbook page it uses that's supplied by the WebSphere Studio

E. The scrapbook page is closed

Answer: A, B, E

The VM for a page will remain active until the page is closed, terminated explicitly (in the debugger), or when a System.exit() is evaluated.

---

**QUESTION 163:**

A developer has created a new server configuration for a test environment. The developer wants to enable the test server to use cookies. Which one of the following tabs would they use in the server configuration?

- A. Environment
- B. Web
- C. Ports
- D. Applications
- E. Server
- F. Configuration

Answer: B

Each server features several tabs where the server settings can be customized:

Server - The Server tab allows for the ability to specify server name, Agent Controller port, the ability to enable JavaScript debugging and enabling hot method replace in debug mode.

Configuration - The Configuration tab allows for the developer to specify server configuration and server settings. Such as the ability to enable the administration console

Environment - The Environment tab allows the developer to specify class path, Java VM arguments, System properties, Java Library Path and more.

Web - The Web tab allows the developer to set MIME type mappings, enable URL rewriting and the ability to enable cookies.

Ports - The Ports tab allows the developer to customize the ports used by WSAD.

Applications - The Applications tab allows the developer to customize settings for loaded applications.

---

**QUESTION 164:**

Which of the following are valid options for Web session management for a server instance?

- A. Enable Cookies
- B. Enable Session IDs
- C. Enable SSL keys
- D. Enable URL Keep Alives
- E. Enable URL substitutions
- F. Enable URL rewriting

Answer: A, F

When a developer is configuring the session management options for a server, the developer can choose to Enable URL rewriting or to Enable Cookies.

---

**QUESTION 165:**

A developer has created a new Web project called CerFX. The developer had the "Create a default CSS file" check box selected. Which one of the following best describes where the CSS file was created?

- A. workspace\CerFX\JavaSource\Theme
- B. workspace\CerFX\WebContent\
- C. workspace\CerFX\Web Content\
- D. workspace\CerFX\WebContent\WEB-INF
- E. workspace\CerFX\WebContent\META-INF
- F. workspace\CerFX\WebContent\Theme

Answer: F

If a developer selects the Create a default CSS File option when creating a new web project the CSS file will be placed under the project directory in the WebContent\Theme directory.

---

**QUESTION 166:**

Which of the following best describes what occurs when a taglib entry with a TLD\_URI of NOROOT\_REL\_URI is not found?

- A. The directive is not resolved
- B. The directive is resolved as a relative path to the current JSP page where the directive appears.
- C. Nothing
- D. The directive is resolved as a universal path to the current JSP page where the directive appears.
- E. The directive is resolved as an absolute path to the current JSP page where the directive appears

Answer: B

If a taglib entry with a TLD\_URI of NOROOT\_REL\_URI is not found, the directive is resolved as a relative path to the current JSP page where the directive appears.

---

**QUESTION 167:**

System schemas are not showing up in DBExplorer. Which of the following best describes why?

- A. There are no system schemas
- B. You do see the system schemas
- C. None these answers apply
- D. System schemas are filtered out by default

E. Systems schemas are flagged by the database namespace to not appear

Answer: D

System schemas that define basic database structures like tables and views are filtered out by default.

---

**QUESTION 168:**

Which of the following databases are not supported by WebSphere Studio v5.0?

- A. Lotus Notes
- B. DB2
- C. MySQL
- D. JET

Answer: A, D

The following is a list of supported database types by Websphere Studio v5.0

Cloudscape  
DB2  
Informix  
Microsoft SQL Server  
MySQL  
Oracle  
Sybase

---

**QUESTION 169:**

Which one of the following import options allows a developer to import a project created in another workspace?

- A. Server Configuration
- B. Team Project Set
- C. WAR file
- D. WSIL
- E. Existing Project into Workspace
- F. File system

Answer: E

To import an a project that was previously created in another workspace use the File - Import - Existing Project into Workspace. This will create a new project from an Eclipse project in the file system. This does not copy the project to the workspace.

---

**QUESTION 170:**

Which of the following best describes how to filter tables from a view of a database?

- A. Programmatically restrict the result set.
- B. None of these answers will filter tables from a database
- C. Restrict the JDBC
- D. Trim the database
- E. Add a filter via DBExplorer

Answer: E

In DBExplorer click Filters to specify tables you want to filter out of your view of the database:

Type the name of a table you want to exclude in the New Filter field Click Add filter

Once a filter is defined, it is available whenever you define a connection. You can enable it or disable it from the Filters window, or remove it by selecting the filter and clicking Remove.

System schemas (that define basic database structures like tables and views) are filtered out by default.

---

#### **QUESTION 171:**

Which one of the following product components updated the web.xml file when you assemble Web components into a Web module; or when you modify the properties of the Web components or the Web module?

- A. The WAS Administrative console
- B. The Application Assembly Tool (AAT)
- C. The WebXML Editor (WXE)
- D. The Configuration Manager

Answer: B

The web.xml file is updated by the Application Assembly Tool (AAT). It updates the web.xml file when the developer assembles Web components into a Web module, or when the developer modifies the properties of the Web components or the Web module. The WebSphere Application Server functions use information in the web.xml file during the configuration and deployment phases of Web application development.

---

#### **QUESTION 172:**

Which is the default size of maximum number of connections to maintain in the database connection pool?

- A. 10
- B. 20
- C. 30
- D. 40
- E. 50

Answer: C

In the Maximum pool size field, type the maximum number of connections to maintain in the pool. Specifies the maximum number of connections that can be in the pool. If the maximum number of connections is reached and all connections are in use, additional requests for a connection wait up to the number of seconds specified as the connection timeout. The default size is 30.

---

**QUESTION 173:**

In WebSphere Studio Application Developer you can use the HTML Content Assist to perform all of the following except?

- A. Add an attribute name-value pair within a start tag
- B. Account for grammar constraints for tags
- C. Select from an enumerated list of attribute values
- D. To finish an HTML tag
- E. To finish a line of code
- F. Complete a tag name

Answer: B

The HTML Content assist can be used to help finish a tag or line of code in the source editor. It does not take into account grammar constraints for tags. The HTML content assist can be most beneficial when used to complete a tag name, add an attribute namevalue pair within a start tag, or select from an enumerated list of attribute values.

---

**QUESTION 174:**

Which of the following best describes the methods that are available from the WebSphere Studio workbench for profiling an application?

- A. Profiling by launching a Java process
- B. Profiling by attaching to a Java process
- C. Profiling using the WebSphere test environment
- D. Profiling using WebSphere Application Server
- E. Profiling using WebSphere Cluster Server

Answer: A, B, C, D

Profiling an application using the workbench

The following tasks are possible using the workbench:

Profiling by launching a Java process

Profiling by attaching to a Java process

Profiling using the WebSphere test environment

Profiling using WebSphere Application Server

When you attach to an agent in a process, you have to manually start monitoring the agents by selecting Start Monitoring from the pop-up menu of the agent. However, when you launch a process, monitoring of the agents is started automatically. You can analyze the collected data by opening the profiling views.

---

**QUESTION 175:**

A junior developer wants to know why his/her project resources do not appear in his/her workbench. What is the first step the developer should take?

- A. Check to see if the project is closed
- B. All of the these
- C. Check to see if WSAD is properly installed
- D. Restart the operating system
- E. Check to see if the project is in source control

Answer: A

A project is either open or closed. When a project is closed, it cannot be changed in the workbench. The resources of a closed project will not appear in the workbench, but the resources still reside on the local file system. Closed projects require less memory. Since they are not examined during builds, closing a project can improve build time. When a project is open, the structure of the project can be changed and you will see the contents.

---

**QUESTION 176:**

Which of the following best describes where Java content assist is available?

- A. Simple projects
- B. EJB projects
- C. Web projects
- D. All projects
- E. Scriptlets

Answer: C, E

When you are within a scriptlet you are writing pure Java code. Therefore, content assist works exactly the same as it does for the Java editor.

Java content assist only works in a Web project, because it requires a buildpath to find the appropriate java classes.

---

**QUESTION 177:**

Where would a developer configure the workspace to perform a build automatically on resource modification?

- A. Select Window- Preferences - Java - Perform build automatically on resource modification
- B. Select Window- Preferences - Build Order - Perform build automatically on resource modification
- C. Select Window- Preferences - workbench - Perform build automatically on resource modification
- D. Select Window- Preferences - workbench - Refresh workspace on start up

Answer: C

If the Perform build automatically on resource modification option is turned on, then the Workbench will perform an automatic build whenever a modified resource is saved. This is located under the Workbench settings of the Preferences dialog box. The Preferences dialog can be accessed by selecting Window - Preferences.

---

**QUESTION 178:**

Which of the following are required to run queries against a database in WebSphere Studio?

- A. The database must exist
- B. The database must be accessible
- C. The SQLBuilder plugin must be installed
- D. The database has to have data in it
- E. The database must be remote
- F. A defined database in a data project

Answer: A, B, C, F

Once you have defined a database in your Data project, either by manually defining it in the Data view or by copying an existing design from the DBExplorer view, you can run queries against it. The database you are querying must exist and be accessible using the connection information you provide, and you must have the SQLBuilder plugin installed.

---

**QUESTION 179:**

A developer wants to ensure that the server instance will pick up any class file changes immediately when in debug mode. What setting must be enabled?

- A. The "Enable dynamic compile in debug" mode
- B. The "Enable hot method replace in debug" mode
- C. This is not possible with WSAD
- D. This is the default behaviors of WSAD and can not be disabled

Answer: B

The Enable hot method replace in debug mode ensures that the server instance will pickup any class file changes immediately when in debug mode. This is enabled by default and is not typically disabled.

---



**QUESTION 180:**

Select from the following areas that The IBM WebSphere Studio has help information organized into:

- A. Conceptual
- B. Procedural
- C. References
- D. Context-sensitive
- E. General

Answer: A, B, C, D

Conceptual information answers the question "What is ...?" It may explain what something is, why it behaves the way it does, or the rationale behind an idea. Conceptual information helps you to map your existing knowledge to the model upon which this product is designed. To browse conceptual topics, select Concepts from the By Type view of the Application Developer Documentation information set.

Procedural, or task, information answers the question "How do I ...?" Task topics provide instructions for accomplishing a task. To browse these topics in the online help, select Tasks from the By Type view of the Application Developer Documentation information set.

Reference information describes programming constructs or facts about the product. Examples of reference topics include language elements, or command syntax. Reference information provides quick access to facts, but little explanation of concepts or procedures. To access this information, select Reference from the By Type view of the Application Developer Documentation information set.

WebSphere Studio also provides context-sensitive information that explains the user interface. When you put focus on an object in the workbench and press F1, an infopop opens to provide you with for that object. It may also provide links to additional topics about the task you are doing.

---

**QUESTION 181:**

Which one of the following best describes refactoring?

- A. Changing the names of the objects to conform the project standards
- B. Revising the naming of variables
- C. Behavior-preserving program transformations
- D. Transforming the project directory structure
- E. Dividing the components into smaller more usable packages

Answer: C

Refactoring means behavior-preserving program transformations.

---

**QUESTION 182:**

Which of the following items can a project contain?

- A. Session properties
- B. Persistent properties
- C. Settings for environmental variables
- D. References to other projects
- E. Project documentation
- F. All of these answers apply.

Answer: F

A project can contain session and persistent properties, settings for environmental variables, and references to other projects. Builders create or modify workspace resources, within projects, usually based on the existence and state of other resources. They are a mechanism for enforcing the constraints of some domain.

For example, a Java builder converts Java source files into executable class files, and a Web link builder updates links to files when names and locations have changed. As resources are created and modified within a project or projects, builders are run and the constraints are maintained. Builders associated with resources perform the necessary actions to ensure the resources are executable.

---

#### **QUESTION 183:**

Which of the following describes what occurs when a private method is renamed?

- A. Methods referencing the non-static public method are renamed private
- B. Only references to the renamed method will be updated
- C. It depends on the variables and how they are used
- D. All methods overriding it will be renamed and all references to them updated
- E. No methods are updated for non-static public methods

Answer: B

Renaming a method declared in an interface will also rename and update all references to all methods that are abstract and non-abstract implementations of that method. All such methods in all subclasses of the interface in which the method is declared will be renamed.

Renaming a static method or a private method will update references only to that method, since it cannot be overridden.

---

#### **QUESTION 184:**

Which one of the following best describes how a developer can access the HTML Content Assist?

- A. Press Ctrl+Enter

- B. Select the HTML Content Assist perspective
- C. Select the Edit menu and select Content Assist
- D. Press Ctrl+Space

Answer: C, D

The HTML Content Assist can be accessed from the Edit menu by selecting Content Assist, or by pressing Ctrl+Space.

The HTML Content assist can be used to help finish a tag or line of code in the source editor. It does not take into account grammar constraints for tags. The HTML content assist can be most beneficial when used to complete a tag name, add an attribute namevalue pair within a start tag, or select from an enumerated list of attribute values.

---

**QUESTION 185:**

Which of the following are required when creating a new Web project?

- A. Storage location
- B. Enterprise project name
- C. Context root
- D. CSS file
- E. Name

Answer: A, B, C, E

A CSS file is optional

Provide a name and storage location for the Web project. Specify the name of a new or existing Enterprise Application project that the new Web project should be imported into for purposes of deployment. Any folders and files in the specified Location, as well as associated subfolders and contents will be included in the project.

If you want to add a Web project as a module to another Enterprise Application project in the future, you can open the application.xml editor for the Enterprise Application project and select the Add option in the General page.

Specify a context root for the Web project. The context root is the Web application root, the top-level directory of your application when it is deployed to a Web server. You can change the context root after you create a project using the project Properties dialog, which you access from the project's context menu. The context root can also be used by the links builder to ensure that your links remain ready to publish as you move and rename files inside your project.

Optionally, click the Create CSS file checkbox, which creates a default CSS file (called master.css) for any HTML and JSP files included in the project.

---

**QUESTION 186:**

When viewing a document in the help perspective, how can you determine where in the table of Contents the item is located?

- A. Click the back icon to synchronize the table of contents.
- B. Click the "Show in table of contents" to synchronize the table of contents
- C. Click the bookmark icon to synchronize the table of contents
- D. Click the forward icon to synchronize the table of contents.

Answer: B

To match the table of contents with the topic that you are currently reading, click the Show in Table of Contents button. This can be useful after searching documents or after following links. This is commonly referred to as synchronizing the table of contents.

---

**QUESTION 187:**

In team development with the WebSphere Studio you have access to pluggable repository. Select the advantages this access provides.

- A. Easier intergration of tools
- B. Increased flexibility with source management
- C. Larger number of team members
- D. Greater coordination of build process
- E. None of these answers are advantages

Answer: A, B, C

Compared to a proprietary approach, using a file-based system offers the following advantages:  
Easier integration of favorite tools since you can work directly in the file system  
More flexibility in source management and team development

---

**QUESTION 188:**

Which of the following best describes the steps required once a Java project is created?

- A. Write code and rely on WebSphere Studio to keep type hierarchy and Java elements up to date.
- B. Set up the environment for Java development
- C. Associate a Java builder the project
- D. Continually compile the source code

Answer: A

Java projects contain the resources needed for Java applications, including Java files and class files. Java projects are used to create Java packages.

When you create a new Java project, the environment is set up for Java development. A Java builder is associated with the project so the Java source can be incrementally compiled as it is updated. The Java project contains information about the type hierarchy and Java elements. This information is kept current as changes are made. Web, EJB, and

application client projects can also contain the resources needed for Java applications. The Java builder will incrementally compile the resources within these projects as the resources are updated.

---

**QUESTION 189:**

Which of the following describes the features available in the scrapbook page in WebSphere Studio?

- A. Run Java expressions
- B. Inspect Java expressions
- C. Display Java expressions under the control of the debugger
- D. Create notes on development tasks
- E. Break down complex problems

Answer: A, B, C

The scrapbook allows Java expressions, to be run, inspected, and displayed, under the control of the debugger. Breakpoints and exceptions are active as in a regular debug session.

---

**QUESTION 190:**

Which of the following best describes what Entity beans with Container Managed Persistence fields are mapped to?

- A. Database columns
- B. Database instances
- C. Database
- D. Database tables
- E. Database rows

Answer: A, D

Entity beans with container-managed persistence (CMP) fields must be mapped to database tables that are represented in a schema. You map entity beans to database tables by creating a map.

---

**QUESTION 191:**

Which of the following best describes what is identified by the server instance when a server project is created?

- A. Identifies the runtime environment to use for testing project resources
- B. Identifies the components
- C. Identifies the server
- D. Identifies the user validations
- E. Identifies the xml config file

Answer: A

Once you have created a server project, you need to create a server instance and a server configuration. A server instance identifies the run-time environment that you want to use for testing your project resources.

---

**QUESTION 192:**

Which one of the following provides the user with a list of suggested completions for partially entered text?

- A. Code Assistant
- B. Content Assist
- C. IntelliType
- D. Auto Complete

Answer: B

Content assist provides you with a list of suggested completions for partially entered strings. In the Java editor press Ctrl+Space or invoke Edit > Content Assist.

---

**QUESTION 193:**

Which one of the following can be created using the Create Java Bean Web Pages wizard?

- A. Results page
- B. Controller servlet
- C. View Bean
- D. All of these answers apply.
- E. Input form

Answer: D

To launch the Create Java bean Web Pages wizard, select File -> New -> Other. Then select the Web option, Java bean Web Pages, and then press the Next button.

You are presented with four options for elements to be created:

Input form - The form to collect properties and input parameters.

Results page - The form to collect properties and input parameters.

Controller Servlet - The single point of entry for all requests to the Web Region.

View Bean - This Java class is to wrap the underlying Java Bean object.

---

**QUESTION 194:**

Which Java perspective contains the Projects, Types and Members view?

- A. J2EE

- B. Web
- C. Java Explorer
- D. Java Browsing
- E. Java
- F. Java Type Hierarchy

Answer: D

The Java Browsing perspective consists of the Projects, Types and Members views as well as an editor area.

Projects view - The Projects view shows Java projects, source folders, external and internal libraries.

Note: source folders and libraries (both internal and external) presented in this view are not expandable. When they are selected, their contents are shown in the Packages view

Types view - The Types view shows a list of Java types from the currently selected packages. Typically, the Packages view is used to make this selection.

Members view - The Members shows the content of a type, compilation unit or CLASS file. Typically, the Types view is used to make this selection.

---

#### **QUESTION 195:**

Which of the following describes what the WebSphere Studio debugger allows a developer to perform?

- A. Suspend threads
- B. Step through code
- C. Examine the contents of variables
- D. Debug a JSP file remotely
- E. All of these answers apply
- F. Set breakpoints

Answer: E

The debugger enables you to detect and diagnose errors in your application. It allows you to control the execution of your program by setting breakpoints, suspending threads,

stepping through the code, and examining the contents of the variables. You can debug a

JSP file remotely or locally on WebSphere Application Server without losing the state of your application

---

#### **QUESTION 196:**

What is the default period of time that an unallocated connection can remain in the database connection pool before being removed?

- A. 200 seconds
- B. 2000 seconds
- C. 20000 milliseconds
- D. 200000 milliseconds
- E. 20 seconds

Answer: B

In the Idle timeout field, type the maximum number of seconds that an idle, unallocated connection can remain in the pool before being removed to free resources. The default is 2000 seconds.

---

**QUESTION 197:**

Which of the following best describes when the VM terminates for a scrapbook page?

- A. Never
- B. There is no VM associated with a scrapbook page it uses that is supplied by the WebSphere Studio
- C. The scrapbook page is closed
- D. The scrapbook page is explicitly terminated
- E. A System.exit() is evaluated

Answer: C, D, E

The VM for a page will remain active until the page is closed, terminated explicitly (in the debugger), or when a System.exit() is evaluated.

---

**QUESTION 198:**

Select the default mapping patterns available in the XML from SQL wizard when generating XML from SQL:

- A. Mapping using foreign keys as links
- B. None of these answers are default mapping patterns
- C. Mapping table columns as elements
- D. Mapping table columns as attributes
- E. Mapping table columns as elements using primary keys as attributes

Answer: A, C, D, E

The wizard allows you to choose from a number of different default patterns when mapping your relational data to an XML format. They include:

Mapping table columns as elements.

Mapping table columns as attributes.

Mapping table columns as elements using primary keys as attributes.

Mapping using foreign keys as links.

---

**QUESTION 199:**

When starting a new project what is the first object that must be created?

- A. The file structure
- B. The project type



- C. The project name
- D. The base classes.jar
- E. The class path

Answer: C

Since projects are the root of any application development, you will always start a new application by creating one or more projects. The workbench provides wizards to create each specific type of project. All the wizards for creating projects are similar, with slight variations required for the project type.

In general, when you create a new project you specify the following:

The name of the project

The workspace location to use

File organization

Build output folder

Projects and libraries that need to be in the build class path

---

### **QUESTION 200:**

A developer would use the `<jsp:setProperty>` tag to perform which one of the following?

- A. To redirect the JSP request to an HTML page
- B. None of these answers apply
- C. To set a property value in a JavaBean
- D. To get a property value in a JavaBean

Answer: C

The `<jsp:setProperty>` tag is used to set a property value in the specified JavaBean.

It is recommended that users also be familiar with the following JSP Version 1.1 action elements:

`<jsp:include>`

`<jsp:forward>`

`<jsp:param>`

`<jsp:plugin>`

`<jsp:useBean>`

`<jsp:getProperty>``<jsp:setProperty>`

---

### **QUESTION 201:**

Which of the following best describes the restriction on importing profiling resources in WebSphere Studio?

- A. You can only import a profiling file that was generated by a stand-alone profiling session; one that was run from the command line using the `server=single` parameter
- B. You can not import profiling resources

- C. You can only import a profiling file that was generated by a stand-alone profiling session; one that was run from the command line using the server=standalone parameter
- D. You can only import a profiling file that was generated by a cluster profiling session; one that was run from the command line using the server=cluster parameter
- E. You can only import a profiling file that was generated by a command line using the server=export parameter

Answer: C

Because of the threading associated with the profiling resources and their deployment.

You can only import a profiling file that was generated by a stand-alone profiling session; one that was run from the command line using the server=standalone parameter.

---

#### **QUESTION 202:**

Which of the following are displayed in the Tasks view?

- A. Manually entered reminders with links to resources
- B. All compiled resources on the workspace
- C. Breakpoints for use in the Debug perspective
- D. Syntax errors during a build

Answer: A, D

Tasks view - As a developer works with resources in the Workbench, various builders may automatically log problems, errors, or warnings in the Tasks view.

The developer can also add items to the Tasks view manually, to follow up on later.

Manually added tasks can be associated with a resource so that you can use the Tasks view to quickly open that resource for editing.

---

#### **QUESTION 203:**

Which of the following databases are supported by WebSphere Studio v5.0? [not inclusive)

- A. Sybase
- B. Informix
- C. DB2
- D. JET
- E. Lotus Notes
- F. People Soft

Answer: A, B, C

The following is a list of supported database types by Websphere Studio v5.0:

Cloudscape

DB2

Informix

Microsoft SQL Server

MySQL  
Oracle  
Sybase

---

**QUESTION 204:**

Which of the following best describes the step required to control when resources are rebuilt?

- A. Change the compilation unit
- B. Set a flag in the ANT script
- C. Clear the check box in the Preferences to build automatically
- D. Set the check box in the Preferences to build on demand only.
- E. There is no control over resource building

Answer: C

By default, resources are built whenever one is modified. But, you can control when builds occur. Follow these steps:

In the Workbench preference window (Window > Preferences > Workbench), clear the Perform build automatically on resource modification check box.

Whenever you have made sufficient modifications, and are ready to rebuild, select Project > Rebuild All.

Any existing built state is discarded, and resources are built from scratch; e.g. a full build is done.

You can use Project > Rebuild All even if automatic building is turned on.

Automatic building employs incremental builds.

---

**QUESTION 205:**

Which one of the following statements is true in regards to what the WebSphere Studio Outline view shows?

- A. Displays an outline of a structured file that is currently open in the editor area
- B. Lists structural elements
- C. Contents of the outline view are editor specific
- D. The commands available on the Outline view's toolbar depend on the file's structure file type.
- E. All of these answers apply.

Answer: E

This view displays an outline of a structured file that is currently open in the editor area, and lists such structural elements. The contents of the outline view are editor specific.

The structural elements are classes, variables, and methods. In addition, note that there are java specific local toolbar contributions as well.

The commands available on the Outline view's toolbar depend on the file's structure file type.

---

**QUESTION 206:**

When editing the Web Deployment Descriptor, the web.xml file, which tab is used to add servlets and JSPs and their and their related URL mappings?

- A. Pages
- B. JSPs
- C. Mappings
- D. Overview
- E. Servlets

Answer: E

The Overview tab allows general information and usage information to be configured. It also displays details from other tabs such as Servlets, Filters, Pages, etc.

The Servlets tab allows the developer to add servlets and JSPs, as well as URL Mappings.

The Pages tab allows the developer to specify the default starting page, error pages and authentication methods.

The JSPs and Mapping tabs do not exist in WASD.

---

**QUESTION 207:**

Which of the following are not valid cheat sheets?

- A. Create a Struts-based Web application
- B. Create a Web service from a servlet
- C. Create a Web application
- D. Create a Web service from a wSDL file
- E. Create a database

Answer: B, E

Cheat sheets provide a developer the fastest and easiest way for to receive step-by-step guidance on how to perform an operation. Such as creating, testing, deploying and running a web application.

---

**QUESTION 208:**

Can you create an HTML form based on a DTD in WebSphere Studio?

- A. Yes, but only for recognized standard schemas
- B. Yes, but you must useXSLT
- C. No, only from schemas
- D. Yes
- E. No

Answer: D

To generate an HTML form based on a DTD file, follow these steps:

Open the DTD file you want to work with in the DTD editor.

Click DTD > Generate HTML Form.

You must select a field in the Design view of the DTD editor before you open the HTML Form Creation wizard. Otherwise, the wizard will not work properly.

Select the input fields to generate. Most elements in the DTD will be listed as potential input fields - any elements with EMPTY or ANY content will not be listed as potential input fields. Only elements with mixed or children content can be used as input fields.

You can also expand the elements and select any attributes you want to include as input fields. If you click Select All, all the elements and attributes listed will be selected as input fields. Click Next.

Type the servlet name. You can type the name of a servlet that already exists, or type the name of a servlet that you intend to create later.

Click Finish.

The HTML form, which will have the same name as the DTD file, except that it will end in .html, not .dtd appears in the Navigator view. To edit it, double-click it. The Page Designer opens.

---

**QUESTION 209:**

You can use web.xml editor to view source of the XML tagging for a project's deployment descriptor, but the best way to build web.xml files is the use the viewers (or pages) in the editor.

Select the controls found in these pages or viewers to set Web application parameters.

- A. Servlets
- B. Paths
- C. Variables referenced
- D. Security
- E. Welcome and error page details
- F. All of these answers apply

Answer: F

Although the editor provides a source view of the XML tagging for a project's deployment descriptor, the best way to build web.xml files is to use the viewers or pages in the editor. These viewers provide controls to set numerous Web application parameters related to servlets, paths, and variables referenced, security, welcome and error page details, and other general deployment settings. As you specify deployment information, the web.xml editor incorporates the appropriate tagging.

---

**QUESTION 210:**

A developer has created a Web project called CertFX. Which of the following is the root folder for this project?

- A. CertFX\Root
- B. CertFX\LIB

- C. CerfFx
- D. CerfFX\Web

Answer: C

The root of the web project is CertFX. Folders contained underneath CertFX will contain items such as web content, libraries and Java Source.