



000-484

Enterprise Connectivity with J2EE V1.3

Exam number/code: 000-484

Exam name: Enterprise Connectivity with J2EE V1.3

Questions & Answers: 112 Q&A

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Question 1:

Which of the following services is NOT guaranteed to be provided by a JDBC 2.0 Driver that implements the `javax.sql.XADataSource`? Which of the following services is not always provided by a JDBC 2.0 Driver that implements the `javax.sql.XADataSource`?

- A. Distributed transactions
- B. Connection pooling
- C. Connection event listening
- D. Savepoint services

Answer: D

Question 2:

A developer knows that the first release of an application will have Web clients only. However the developer also knows that the next release will add PDA and cellphone clients. How should the application be designed to take this future requirement into account?

- A. Generate HTML from the JSPs, referencing CSS stylesheets for rendering.
- B. Generate XML from the JSPs, referencing XSL stylesheets for rendering.
- C. Create custom tag libraries for the second release to render to the different devices.
- D. Change the design for the second release to utilize different JSPs for the different devices.

Answer: B

Question 3:

Which of the following is the recommended JNDI naming root that provides a type-specific subcontext under which all resource factory references can be found?

- A. `j2ee:resources`
- B. `j2ee:resources/env`
- C. `java:comp`
- D. `java:comp/env`

Answer: D

Question 4:

Referring to the Exhibit and assuming container-managed transactions, which of the following statements are TRUE concerning transactions and `OrderBean`?

```
<assembly-descriptor>
<security-role>
<description>Full access</description>
<role-name>Administrator</role-name>
</security-role>
<security-role>
<description>Normal permissions</description>
<role-name>User</role-name>
</security-role>
<method-permission>
```

```
<role-name>Administrator</role-name>
<method>
<ejb-name>OrderBean</ejb-name>
<method-name>*</method-name>
</method>
</method-permission>
<method-permission>
<role-name>Clerk</role-name>
<method>
<ejb-name>OrderBean</ejb-name>
<method-name>getTotal</method-name>
</method>
</method-permission>
<method-permission>
<role-name>User</role-name>
<method>
<ejb-name>OrderBean</ejb-name>
<method-name>addLineItem</method-name>
</method>
</method-permission>
<container-transaction>
<method>
<ejb-name>OrderBean</ejb-name>
<method-name>*</method-name>
</method>
<trans-attribute>Required</trans-attribute>
</container-transaction>
<container-transaction>
<method>
<ejb-name>OrderBean</ejb-name>
<method-name>getTotal</method-name>
</method>
<trans-attribute>Supports</trans-attribute>
</container-transaction>
</assembly-descriptor>
</ejb-jar>
```

- A. An invocation of OrderBean.getTotal() outside a transaction will result in a new transaction being created.
- B. An invocation of OrderBean.addLineItem() outside a transaction will result in a new transaction being created.
- C. OrderBean.getTotal() can execute outside any transaction scope.
- D. A deployer cannot set the transaction isolation levels for OrderBean.

Answer: B,C

Question 5:

A JMS application either uses the point to point (PTP) or publish and subscribe (Pub/Sub) style of messaging. An application is being developed where an unknown number of clients need to be notified when certain events occur on the server. Which of the following JMS interfaces should be used in this JMS application?

- A. QueueConnectionFactory
- B. QueueSender
- C. TopicConnection
- D. TopicSession
- E. TemporaryQueue

Answer: C,D

Question 6:

A EJB Client receives two EJB references, a and b. Which of the following expressions will ALWAYS evaluate to true if both references refer to the same EJB Object?

- A. a == b
- B. a.equals(b)
- C. a.isIdentical(b)
- D. a.getPrimaryKey().equals(b.getPrimaryKey())

Answer: C

Question 7:

An EJB is required to hold a customer's address information. This information must be made available to future customer transactions. The bean must be deployable to any EJB server. The exact server runtime configuration is unknown. Which bean type BEST suits these requirements?

- A. A stateless session bean.
- B. A stateful session bean.
- C. A BMP entity bean.
- D. A CMP entity bean.
- E. A message-driven bean.

Answer: D

Question 8:

Assuming that a valid Context called initCtx is available, which of the following are correct ways of obtaining the value of an environment variable defined as shown below :

```
<env-entry>
<description>The initial count</description>
<env-entry-name>initialCount</env-entry-name>
<env-entry-type>java.lang.Integer</env-entry-type>
<env-entry-value>5</env-entry-value>
</env-entry>
```

- A. Integer initCount = (Integer) initCtx.lookup("java:comp/env/initialCount");
- B. Context myEnv = (Context)initCtx.lookup("java:comp/env"); Integer initCount = (Integer)myEnv.lookup("initialCount");
- C. Context myEnv = (Context)initCtx.lookup("java:comp/env"); Integer initCount = (Integer) PortableRemoteObject.narrow(myEnv,Integer.class);
- D. Map envVars = (Map) initCtx.lookup("java:comp/env"); Integer initCount = (Integer) envVars.get("initialCount");

Answer: A,B

Question 9:

A portion of a J2EE application needs to access persistent data stored in a non-relational way, which is not supported by JDBC. How can a developer access this data?

- A. Specify persistent access via a Data Access Object (DAO) in the deployment descriptor.
- B. Use a Data Access Object (DAO) from session beans.
- C. Use a Data Access Object (DAO) from entity beans using container-managed persistence.
- D. Use a Data Access Object (DAO) from entity beans using bean-managed persistence.

Answer: B,D

Question 10:

A reference to an EJB can be stored by a client for later use by:

- A. serializing the EJBObject to disk.
- B. adding the object to the server's pooled objects.
- C. implementing a find<method> method for the bean.
- D. storing the Handle of the EJBObject.

Answer: D

Question 11:

An entity bean that has container-managed persistence can have a container-managed relationship with another entity bean that has container-managed-persistence. If entity bean A has a remote interface, and entity bean B has both a remote and a local interface, what container-managed relationship (CMR) is possible between bean A and bean B? You can assume that both beans are running in the same container.

- A. None. Both beans need to have a local interface if the beans are to be part of a container-managed relationship.
- B. Unidirectional; the relationship MUST be defined on bean A.
- C. Unidirectional; the relationship MUST be defined on bean B.
- D. Bi-directional; the relationship MUST be defined on at least one of the beans, or both.
- E. Bi-directional; the relationship MUST be defined on one of the beans (either A or B), but not both.

Answer: B

Question 12:

Which one of the following does an EJB's local home interface allow a client to do?

- A. Remove enterprise bean instances.
- B. Provide controller logic across all bean instances.
- C. Get the metadata for the enterprise bean.
- D. Obtain a handle to the home interface.

Answer: A,B

Question 13:

Which of the following is FALSE with respect to error handling when building a Web application?

- A. Servlets must catch all possible exceptions.
- B. Each JSP may specify a unique error page to handle any exceptions which may occur during its execution.
- C. Unhandled exceptions that occur in a JSP may be handled by the user-defined servlet that invoked the JSP.
- D. Custom, user-defined exceptions can be thrown from within a JSP.

Answer: A

Question 14:

Which of the following are TRUE regarding ejbPostCreate() methods?

- A. Only entity beans have ejbPostCreate() methods.
- B. ejbPostCreate() method signatures must match ejbCreate() method signatures.
- C. ejbPostCreate() methods are optional.
- D. Corresponding postCreate() methods exist in the bean's home interface.
- E. ejbPostCreate() is called by the EJB container following creation of the bean's EJBObject.

Answer: A,B,E

Question 15:

A mediator pattern states that a centralized component controls the flow of interactions among other components in the application, reducing the coupling between the controlled components. Which of the following are common approaches within the J2EE architecture to leverage a mediator pattern to build more scalable systems?

- A. Include reusable JSP templates in a servlet, which acts as a mediator.
- B. Use a servlet as a mediator for many separate JSPs.
- C. Use a session EJB as a mediator for many separate entity EJBs.
- D. Use XML to mediate between J2EE components in the application.

Answer: B,C

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