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**QUESTION 1**

A developer is working with an entity User, which has an identity field and a salary field. Which Java Persistence query will return those users with the highest salaries?

- A. SELECT u FROM User u WHERE u.salary >= ALL (SELECT d.salary FROM User d)
- B. SELECT u FROM User u WHERE u.salary >= ANY (SELECT d.salary FROM User d)
- C. SELECT u FROM User u WHERE ALL(u.salary >= (SELECT d.salary FROM User d))
- D. SELECT u FROM User u WHERE u.salary >= (SELECT ALL(d.salary) FROM User d)

Correct Answer: A

QUESTION 2

Given the following entity class:

11.

```
@Entity public class Customer)
```

12.

```
@Id private int id;
```

13.

```
private transient String name;
```

14.

```
private Jav
```

a.

```
math. BigDecimal grossAmmount;
```

15.}

Which mapping annotation can be added to the fields of this entity?

A.

```
@Column to the name field
```

B.

```
@EmbeddedId to the id field
```

C.



@Basictothe grossAmmountfield

D.

@JoinColumnstothe grossAmmount field

Correct Answer: C

QUESTION 3

A developer wants to write a stateful session bean using the following interface as local business interface:

1.

```
package acme;
```

2.

```
public interface Bar{
```

3.

```
public void barQ;4-i
```

Assuming there is NOT an ejb-jar.xml file, which code can be inserted into Lines 4-6 below to define the bean with the ejb name of BarBean?

1.

```
package acme;
```

2.

```
import javax. ejb.*;
```

3.

```
import java, io.*; 4.
```

5.

6.

7.}

A. `@Stateful public class BarEJB implements Bar{ public void bar0 {}`

B. `@Stateful(name="Bar") public class BarBean implements Bar{ public void barQ {}`

C. `@Stateful public class BarBean implements Serializable, Bar{ public void bar0{}`

D. `@Stateful(name="Bar") public class BarBean implements Bar{ public void barQ throws java.rmi.RemoteException{}`



Correct Answer: C

QUESTION 4

Which statement about the combination of mapping defaults, annotations, and XML descriptors is correct?

- A. All mapping annotations must always be processed by the persistence provider.
- B. Some annotations, like the @Entity annotation, must always be processed by the persistence provider.
- C. The mapping information for an entity class specified by annotations and in XML descriptors must be distinct.
- D. If multiple entity listeners are defined, the order in which they are invoked can be defined or overwritten in the XML descriptor.

Correct Answer: D

QUESTION 5

A developer creates a stateful session bean that is used by many concurrent clients. The clients are written by other development teams and it is assumed that these clients might not remove the bean when ending their session. The number of concurrent sessions will be greater than the defined bean cache size. The developer must consider that the state of the session bean can be influenced by either passivation or timeout. Which three actions should the developer take to make the bean behave correctly in passivation and timeout situations? (Choose three.)

- A. Release references to resources in a @Remove annotated method.
- B. Re-establish references to resources in an @Init annotated method.
- C. Release references to resources in a @PreDestroy annotated method.
- D. Release references to resources in a @PrePassivate annotated method.
- E. Re-establish references to resources in a @PostActivate annotated method.

Correct Answer: CDE

QUESTION 6

Which two annotations can be applied at the class, method, and field levels? (Choose two.)

- A. @EJB @Init
- B. @Resource
- C. @RolesAllowed



D. ©PostActivate

Correct Answer: AC

QUESTION 7

Which component can use a container-managed entity manager with an extended persistence context?

A. any EJB component

B. only stateful sessionbeans

C. only stateless session beans

D. session beans and web components

Correct Answer: B

QUESTION 8

Given the following client-side code that makes use of the session bean Foo:

10.

```
@EJB Foo bean1;
```

11.

```
@EJB Foo bean2; //more code here
```

20.

```
boolean test1 = bean1.equals(bean1);
```

21.

```
boolean test2 = bean1.equals(bean2);
```

Which two statements are true? (Choose two)

A. If Foo is stateful, test1 is true, and test2 is true,

B. If Foo is stateful, test1 is true, and test2 is false,

C. If Foo is stateless, test1 is true, and test2 is true.

D. If Foo is stateful, test1 is false, and test2 is false,

E. If Foo is stateless, test1 is true, and test2 is false.

F. If Foo is stateless, test1 is false, and test2 is false.



Correct Answer: BC

QUESTION 9

A developer writes an enterprise application and packages it into an .ear file. The application contains two persistence units defined at the .ear level with persistence unit names FooPU and BarPU. The application also contains an ejb-jar with one stateless session bean. Which code, when added to the stateless session bean class, injects an EntityManagerFactory at runtime?

- A. PersistenceUnit private EntityManagerFactory emf; B. PersistenceContext private EntityManagerFactory emf;
- B. PersistenceUnit(unitName="BarPU") private EntityManagerFactory emf;
- C. Resource(name="BarPU", type=EntityManagerFactory.class) private EntityManagerFactory emf;

Correct Answer: C

QUESTION 10

Click the Task button.

Place the EJB 3.0 JMS Message-Driven Bean class code snippets on their corresponding locations.

Select and Place:

Place the EJB 3.0 JMS Message-Driven Bean class code snippets on their corresponding locations.

```

10. [place here]
11. public class BookingProcessorBean [place here]
12. [place here]
13. // more code here...
14. }
15. }
16. }

```

[@Stateless]

[@MessageDriven]

[@MDB]

[implements MessageDrivenBean {}]

[implements BookingProcessorRemote {}]

[implements MessageListener {}]

[public void onMessage(Message message) {}]

[public static void onMessage(Message message) {}]

[public Message processMessage(Message message) {}]

[Done]

Correct Answer:



Place the EJB 3.0 JMS Message-Driven Bean class code snippets on their corresponding locations.

```
10. @Stateless
11. public class BookingProcessorBean
12. implements MessageListener {
13.     // more code here...
14. }
15. }
```

Available snippets:

- @MessageDriven
- implements MessageDrivenBean {
- implements BookingProcessorRemote {
- public void onMessage(Message message) {
- public static void onMessage(Message message) {
- public Message processMessage(Message message) {

Done

QUESTION 11

The execution of the find method in the following code throws an exception:

11.

```
em.find(Customer.class, custId);
```

12.

//Where em is a reference to a extended scoped entity manager.

Which scenario can cause the exception?

- A. The find method was called without a transaction.
- B. The entity corresponding to the requested primary key has been removed.
- C. The entity corresponding to the requested primary key has been detached.
- D. The data type of custId is NOT a valid type for the Customer entity primary key.

Correct Answer: D

QUESTION 12

Which two are true about EJB 3.0 exception classes? (Choose two.)



- A. The `javax.ejb.NoSuchEJBException` is an application exception.
- B. The `javax.ejb.EJBException` extends `java.lang.RuntimeException`.
- C. The `javax.ejb.EJBTransactionRequiredException` is an application exception.
- D. An application exception must NOT be a subclass of `java.rmi.RemoteException`.
- E. The `javax.ejb.EJBTransactionRolledbackException` is an application exception.
- F. Any subclass of `java.lang.RuntimeException` is always considered a system exception.

Correct Answer: BD

QUESTION 13

According to the Java Persistence API, a managed entity instance X becomes removed by invoking the `remove` method on it or when it is a target of a cascaded remove operation. Which statement is true?

- A. After an entity has been removed its state will be restored to the Java defaults.
- B. If a detached entity Y references X the `IllegalStateException` will be thrown.
- C. If X is a new entity the remove operation is cascaded to entities referenced by X.
- D. A removed entity X will be guaranteed to be removed from the database when the `remove` method returns.

Correct Answer: C

QUESTION 14

An enterprise bean has security permissions set up using declarative security features. Under which two conditions can a client be guaranteed to have permission to invoke a business method on the enterprise bean? (Choose two.)

- A. The `Application Assembler` has marked the enterprise bean method as unchecked.
- B. The client's principal has been assigned a security role with permission to invoke the method.
- C. The `Application Assembler` has set the security-identity deployment descriptor to `run-as`.
- D. The `Application Assembler` has mapped all security role references using the `role-link` element.

Correct Answer: AB

QUESTION 15

`FooBean` and `BarBean` are both EJB 3.0 stateless session beans with container-managed transaction demarcation. All



business methods in the two beans have transaction attribute REQUIRED. The business method foo in FooBean invokes the business method bar in BarBean. Given :

10.

```
public class BarBean {
```

11.

```
public void bar0{
```

12.

```
throw new EJBException("unexpected error..."); 13.}
```

Which statement is true about the result of this method invocation assuming execution reaches Line 12?

- A. The container might roll back the transaction.
- B. The BarBean bean instance is in the ready state for the next invocation.
- C. FooBean.foo method receives javax.ejb.EJBTransactionRolledbackException.
- D. FooBean.foo method receives javax.transaction.InvalidTransactionException.

Correct Answer: C

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