



Exam Code: 310-090

Exam Name: Sun Certified Business Component
Developer for J2EE 1.3

Vendor: Sun

Version: DEMO

Part: A

1: Which method can be called by the container to transition an entity bean instance from the ready state to the pooled state?

- A.ejbRemove
- B.ejbCreate
- C.ejbActivate
- D.unsetEntityContext

Correct Answers: A

2: Which statement is true about the implementation of ejbSelect methods?

- A.The container calls the appropriate ejbFind methods in the bean class.
- B.The deployment descriptor's EJB QL guides the container's implementation.
- C.The EJBObject contains wrapper methods which call the ejbSelect methods.
- D.The Bean Provider supplies the implementation of the ejbSelect methods.

Correct Answers: B

3: Click the Task button.

Place the CMP Entity Bean method name on its purpose or usage. (The point of view is from the Bean Provider.)

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CMP Entity Bean Method Name	Purpose or Usage
place here	sets persistent fields and perform initialization
place here	business methods implemented in Java that do not require an entity object identity
place here	sets bidirectional Container Managed Relationship fields
place here	implemented by EJB-QL to support the bean's business methods

setEntityContext	ejbCreate<METHOD>	ejbFind<METHOD>
unsetEntityContext	ejbPostCreate<METHOD>	ejbHome<METHOD>
ejbSelect<METHOD>	ejbRemove	

Correct Answers:

Place the CMP Entity Bean method name on its purpose or usage.
(The point of view is from the Bean Provider.)

CMP Entity Bean Method Name	Purpose or Usage
<code>ejbSelect<METHOD></code>	sets persistent fields and perform initialization
<code>ejbCreate<METHOD></code>	business methods implemented in Java that do not require an entity object identity
<code>ejbRemove</code>	sets bidirectional Container Managed Relationship fields
<code>ejbHome<METHOD></code>	implemented by EJB-QL to support the bean's business methods

<code>setEntityContext</code>	<code>ejbCreate<METHOD></code>	<code>ejbFind<METHOD></code>
<code>unsetEntityContext</code>	<code>ejbPostCreate<METHOD></code>	<code>ejbHome<METHOD></code>
<code>ejbSelect<METHOD></code>	<code>ejbRemove</code>	Done

4: Which role is responsible for implementing the home business methods for a CMP 2.0 entity bean?

- A. Deployer
- B. Bean Provider
- C. Container Provider
- D. Application Assembler

Correct Answers: B

5: Click the Task button.

Place the lifecycle events of an entity bean in the proper sequence.

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Events in Sequence		Lifecycle Events
1	Place event one here.	<code>setEntityContext(sc)</code>
2	Place event two here.	Entity bean does not exist.
3	Place event three here.	Entity bean is in the ready state.
4	Place event four here.	<code>ejbActivate</code>
5	Place event five here.	Entity bean is in the pooled state.

Correct Answers:

Place the lifecycle events of an entity bean in the proper sequence.

Events in Sequence		Lifecycle Events	
1	<code>setEntityContext(sc)</code>	<code>setEntityContext(sc)</code>	
2	Entity bean does not exist.	Entity bean does not exist.	
3	Entity bean is in the pooled state.	Entity bean is in the ready state	
4	<code>ejbActivate</code>	<code>ejbActivate</code>	
5	Entity bean is in the ready state.	Entity bean is in the pooled state	

6: Given:

```
10. void setEntityContext(EntityContext context) {
11.     // insert code
12. }
```

Which two are valid if inserted at line 11? (Choose two.)

- A.context.getEJBHome();
 - B.this.id = (String) context.getPrimaryKey();
 - C.this.principal = context.getCallerPrincipal();
 - D.Context ctx = new InitialContext();
- this.minBalance = (Double) ctx.lookup("java:comp/env/minBalance");

Correct Answers: A D

7: Which method from javax.ejb.EJBContext returns an object that allows a Bean Provider to demarcate transactions?

- A.begin()
- B.getAutoCommit()
- C.getTransaction()
- D.beginTransaction()
- E.getUserTransaction()

Correct Answers: E

8: Which is a responsibility of the EJB 2.0 container, with respect to session beans?

- A.invoking the setSessionContext method
- B.invoking the home interface create method
- C.implementing a class that implements javax.ejb.SessionBean
- D.implementing an afterBegin method, if declared in the bean's remote interface

Correct Answers: A

9: Which statement is true about BOTH stateful session beans and stateless session beans?

- A.Bean instances are not required to survive container crashes.

- B.The container passivates them using the `ejbPassivate` / `ejbActivate` methods.
- C.Any bean instance must be able to handle concurrent invocations from different threads.
- D.A bean with bean-managed transactions must commit or roll back any transaction before returning from a business method.

Correct Answers: A

10: Which two are requirements for a session bean's local component interface? (Choose two.)

- A.The interface must extend the `javax.ejb.EJBObject` interface.
- B.Method arguments and return types must follow the rules for RMI/IIOP.
- C.The Bean Provider must define one or more `create<METHOD>` methods.
- D.Each business method must have a matching method in the session bean's class.
- E.All methods' throws clauses must not include the `java.rmi.RemoteException`.

Correct Answers: D E