Oracle

1Z0-898

Java Platform Enterprise Edition 6 Java(R) Persistence API Developer Certified Expert

A. The person entities are removed, but NOT their related address entities.
B. The person entities, and all their related address entities, are removed.
C. The DeletePersonsByStatus named query is ill-formed, and will be rejected by the persistence provider.
D. The named query will fall.

Answer: B

QUESTION: 54

An application uses optimistic locking by defining version attributes in its entity classes. The application performs a bulk update of the entities using a JPQL query. Which of the following is correct?

A. The persistence provider will ensure that the version value in each table is updated.
B. The persistence provider will create a new transaction for the bulk update.
C. An OptimisticLockException will be thrown by the persistence provider.
D. The value of the Version attributes of the updated entitles should be also be explicitly updated by the query.

Answer: A

Reference:

http://en.wikibooks.org/wiki/Java_Persistence/Locking(topic: optimistic locking, second paragraph)

QUESTION: 55

A named query that sets an exclusive pessimistic on the entities returned by the query by setting the NamedQuery lockMode element to LockModeType.PESSIMISTIC_FORCE_INCREMENT. The application starts transaction and executes the query. Which of the following statements is correct about the entities returned by the query?

A. Only the current transition may modify or delete the entity instances.
B. The current transaction may NOT modify or delete the entity instances.
C. Other concurrent transactions may modify or delete the entity instances.
D. Other concurrent transactions may modify but MAY NOT delete the entity instances.

Answer: C

QUESTION: 56

A developer wants to create a Java Persistence query that will include a subquery. Which three are true? (Choose three.)

A. Subqueries can be used in a FROM clause.
B. Subqueries can be used in a WHERE clause.
C. The ANY expression can be used only with a subquery.
D. The EXISTS expression can be used only with a subquery.
E. The MEMBER expression can be used only with a subquery.

Answer: B, C, D

QUESTION: 57
Which statement is correct about the Java Persistence API support for the SQL queries?

A. SQL queries are NOT allowed to use parameters.
B. The result of an SQL query is not limited to entities.
C. Only SELECT SQL queries are required to be supported.
D. SQL queries are expected to be portable across databases.

Answer: B

QUESTION: 58
A user entity is in a one-to-many relationship with a Book entity. In other words, a developer reach the collection of books that a user instance myUser has by using the path expression-“myuser - books". A developer wants to write a Java Persistence query that returns all users that have only two books. Which two are valid queries that return this information? (Choose two.)

A. SELECT u FROM User U WHERE SIZE (u.books) = 2
B. SELECT u FROM User WHERE COUNT (u.books) = 2
C. SELECT u FROM User u (WHERE COUNT (b) FROM u.books b) = 2
D. SELECT u FROM user u WHERE (SELECT SIZE (b) FROM u.books b) = 2

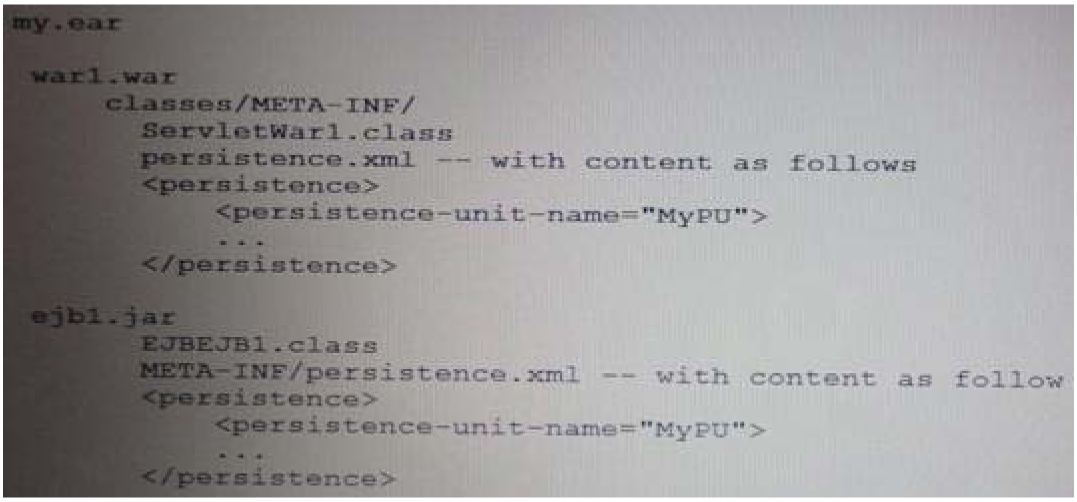
Answer: A, C

QUESTION: 59
A session bean business method invokes UserTransaction.setRollbackonly and receives an IllegalStateException. Under which circumstance can this happen?

A. The bean is using bean-managed transactions regardless of whether there is an active transaction.
B. There is no circustance that would cause setRollbackOnly to throw an IllegalStateException.
C. The bean is using bean managed transaction demarcation, and uaerTransaccion.begin has been invoked.
D. The setRollbackOnly method is invoked within a bean-managed transaction, and userTransaction.commit has NOT been invoked.

Answer: C

QUESTION: 60
A JavaEE application is packaged as follows.



```
my.ear

 war1.war
     classes/META-INF/
        ServletWar1.class
        persistence.xml -- with content as follows
        <persistence>
            <persistence-unit-name="MyPU">
            ...
        </persistence>

 ejb1.jar
        EJBEJB1.class
        META-INF/persistence.xml -- with content as follow
        <persistence>
            <persistence-unit-name="MyPU">
            ...
        </persistence>
```

Which of the following is true for a portable JavaEE application?

A. This is an invalid application. A JavaEE application cannot have more than one persistent with same name.
B. “MyPu” defined under each module is visible to only the defining module. There is no way other modules can access it.
C. Code in the ejb1.jar can access “MyPU” defined under war1.war using “war1#myPU”

Answer: B

QUESTION: 61
The developer has modeled student interests as a set <String>:
@Entity public class Student {
@Id int student Id;
string name;

@ElementaryCollection
Set <String> Interests;
. . .
}
The developer wants the values of this set to be stored using a column named student_intersets. Select the item below that accomplishes this task:

A. @ElementaryCollection
@Column(name = “student_interests”) Set <string> interests;
B. @ElementaryCollection (column = “student_intersets”) Set<String> interests;
C. @ElementaryCollection @CollectionTable (column = “student_intersets”) Set<String> interests;
D. @ElementaryCollection @CollectionTable (column = @column(name = “student_interests”)) Set <String> interests;

Answer: D

Reference:
http://en.wikibooks.org/wiki/Java_Persistence/ElementCollection(see Example of a elementcollection relationship to a basic value annotations)

QUESTION: 62
The embeddable class ContractInformation is used in an element collection of the Employee entity.
@Entity
Public class Employee {
@Id int empId;
@ElementaryCollection Set <ContractInformation> info;
. . .
}
Assume that the phone class is an entity and that address is an embedded class. Which two of the code segments below can be used to model the state of ContractInformation? (Choose two)

A. @OneToMany Set <phone> phones;
B. @Embeddable Address address;
C. @ManyToOne phone phone;
D. @ElementaryCollection <Phone> phones;
E. @OneToOne Address address;

Answer: A, B

QUESTION: 63

If a Persistence application locks entity x with a pessimistic lock, which statement is true?

A. The Persistentprovider will lock the database row(s) that correspond to all persistent fields of properties of an instance, including element collections.
B. Only single table per class hierarchy mapping is supported with this lock type.
C. A Persistence provider will lock the entity relationships for which the locked entity contains the foreign key.
D. A separate lock statement must be called for each subclass in entity hierarchy.

Answer: C

Reference:
http://docs.oracle.com/javaee/6/api/javax/persistence/PessimisticLockScope.html(search public static final pessimisticlockscope)

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