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Java Platform, Enterprise Edition 6 Java
Persistence API Developer Certified Expert
Exam

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QUESTION NO: 1

Entity lifecycle callback methods may be defined in which three classes? (Choose three)

- A. Embedded classes
- B. Entity classes
- C. Abstract classes
- D. Entity listener classes
- E. Mapped superclasses
- F. Concrete non-entity superclasses

Answer: B,D,E

Reference:<http://stackoverflow.com/questions/3747268/how-to-inject-a-springs-service-bean-into-a-jpa-entity>(See the answer, first paragraph)

QUESTION NO: 2

A developer wrote an entity class with the following method:

```
Private static Logger logger = Logger.getLogger ("myLogger");
```

```
@PrePersist
```

```
@PreUpdate
```

```
Public void doA () {
```

```
Logger.info ("A");
```

```
}
```

```
@PostPersist
```

```
@PostUpdate
```

```
Public void doB () {
```

```
logger.info ("B");
```

```
}
```

What will the log message contain when an application does the following?

-
1. Begins a transaction
 2. Creates the entity
 3. Persists the entity
 4. Commits the transaction
 5. Begins the entity data
 6. Modifies the entity data
 7. Merges the entity
 8. Commits the second transaction

A. A

A

B

B

B. A

B

A

B

C. A

B

B

A

B

D. The application will throw an exception because multiple lifecycle callback annotations applied to a single method.

Answer: B

Explanation:

QUESTION NO: 3

Given the following code:

```
Public void create () {  
try {  
doA () {  
} catch (PersistenceException e) {}
```

```
try (doB) ();  
} catch (PersistenceException e) {}  
}
```

Calling method doA will cause an NonUniqueResultException to be thrown. Calling method doB will cause an EntityExistsException to be thrown.

What two options describe what will happen when the create method is called within an application ' uses container managed transactions? (Choose two)

- A. Method doB will never be called.
- B. The current transaction will continue after doA executes.
- C. The current transaction will continue after doB executes.
- D. The current transaction will be marked for rollback when doA is called.
- E. The current transaction will be marked for rollback when doB is called.

Answer: C,E

Explanation:

QUESTION NO: 4

An application that uses pessimistic locking calls an updateData method that results in a LockTimeoutException being thrown. What three statements are correct? (Choose three)

- A. The current transaction continues.
- B. The current statement continues.
- C. The current transaction is rolled back.
- D. The current statement is rolled back.
- E. The LockTimeoutException can NOT be caught.
- F. The LockTimeoutException can be caught, and the updateData method retried.

Answer: A,D,F

Explanation:

QUESTION NO: 5

A developer has created a deep entity class hierarchy with many polymorphic relationships between entities. Which inheritance strategy, as defined by the inheritanceType enumerated type,