Chapter 10

1. JPA means \_\_?

A. Java Processing Approach

B. Java Persistence Applied

C. Java Persistence API

D. None

2. STS means \_\_?

A. Spring Tool Showcase

B. Spring Tool Suits

C. Spring Technical Support

D. Spring Tool Setting

3. Which are the class level architecture of JPA?

A. EntityManagerFactory

B. EntityTransaction

C. Component scan

D. A & B

4. Which is creates and manages multiple EntityManager instances.

A. EntityManagerFactory

B. EntityTransaction

C. Persistence

D. None

5. This class contain static methods to obtain EntityManagerFactory instance.

A. EntityManagerFactory class

B. EntityTransaction class

C. Persistence class

D. None

6. Which is the persistence objects, stores as records in the database.

A. EntityManagerFactory

B. EntityTransaction

C. Persistence

D. Entity

7. The relationship between EntityManagerFactory and EntityManager is \_\_?

A. one-to-many

B. one-to-one

C. None

8. The relationship between EntityManager and EntityTransaction is \_\_?

A. one-to-many

B. one-to-one

C. None

9. The relationship between EntityManager and Entity is \_\_?

A. one-to-many

B. one-to-one

C. None

10. EntityManager instance is used to create a \_\_?

A. query object

B. CriteriaBuilder object

C. Entity object

D. None

11. CriteriaQuery instance is used to create a \_\_?

A. query object

B. CriteriaBuilder object

C. Embedded objects

D. None

12. CRM means\_\_?

A. Customer Relational Management

B. Customer Relational Manager

C. Customer Relative Management

D. Customer Relative Manager

13. To inject the EntityManager, we use the \_\_?

A. @PersistenceContext annotation

B. @Repository annotation

C. @Service annotation

D. None

14. Which file is required to configure the database and the registration of entity classes?

A. Persistence.xml

B. Web.xml

C. App-context.xml

D. None

15. We need to configure an EntityManagerFactory in Spring, just like the SessionFactory in Hibernate.

a) true

b) false

16. EMF means \_\_?

A. Even Management Future

B. EntityManagerFactory

c. Entry Management Factory

D. None of the above

17. The entity manager factory requires a \_\_ \_\_ for transactional data access.

A. component Scan

B. transaction Manager

c. dataSource

D. None of the above

18. EntityManager is

A. A class

B. An object

C. An interface

19. The main job of EntityManager is to maintain a persistence context, in which all the entity instances under management will be stored.

A. True

B. False

20. JPQL is very similar to

A. MySQL

B. HQL

C. iBatis

D. None

21. A SQL resultset mapping is defined at the entity class level using the annotation

A. @SqlResultSetMapping

B. @SqlResultSetExactor

C. @SqlResultSetQuery

Ans. A

22. EntityManager.getCriteriaBuilder() was called to retrieve an instance of CriteriaBuilder.

A. True

B. False

23. Which is not JPA persistence?

a. Hibernate

b. eclipseLink

c. OracleToplink

d. Maven

24. In JPA2 Which one is same as SessionFactory?

a. EntityManagerFactory

b. SessionManagerFactory

c. Session

25. How many types of configuration spring supports?

a. One

b. Two

c. Three

d. Four

26. How many types of EntityManagerFactory configuration Spring supports?

a) Two

b) Five

c) Three

d) Four

27. Which method is used to delete data in JPA?

a) EntityManager.remove()

b) EntityManager.destroy()

c) EntityManager.delete()

d) None

28. A hierarchical in an oracle database. This kind of query is database-specific and referred to as a……

a) Custom query

b) Simple query

c) Native query

d) JPA query

29. JPQL stands for

a) Java Persistence Query Language

b) Java Persistency Query Language

c) Java Persistent Query Language

d) Java Persist Query Language

30. Spring also provides intensive support for JPA.

a) True

b) False

31. Why is it a best practice to mark transaction as read-only when code does not write anything to the database? Select one or more answers.

a) It is mandatory for using Spring exception translation mechanism

b) May be improve performance when using Hibernate

c) Spring optimizes its transaction interceptor

d) Provides safeguards with Oracle and some other databases

32. What data access technology is supported by the Spring framework? Select one or more answers.

a) JDBC

b) NoSQL

c) Hibernate

d) JPA

33. What is not provided by the JdbcTemplate? Select a unique answer.

a) Data source access

b) Open/close data source connection

c) JDBC exception wrapping into DataAccess Exception

d) JDBC statement execution

34. Using JdbcTemplate, what is the Spring provided class you will use for resultset parsing and merging rows into a single object? Select a unique answer.

a) RowMapper

b) RowCallbackHandler

c) ResultSetExtractor

d) ResultSetMapper

35. What configuration is supported by the LocalSessionFactoryBean? Select a unique answer.

a) Listing entity classes annotated with @Entity

b) Scanning a package to detect annotated entity classes (with @Entity)

c) Listing hibernate XML mapping configuration file (hbm.xml)

d) All above