

CHAPTER 1

3. Benefits of DI (Dependency Injection) is

- a) Reduced glue code
- b) Simplified application configuration
- c) Ability to manage common dependencies
- d) Improved testability
- e) Fostering good application design

4. Spring Expression Language (SpEL) is a technology to allow an application

- a) To manipulate Java objects at runtime
- b) To evaluate expressions at runtime
- c) To access Java objects and spring beans at runtime
- d) Above all

10. What is IOC?

- a) A JavaBean
- b) Depend on DI
- c) A framework
- d) Externalize the management of component dependencies

13. AOP provides the ability to implement

- a) Crosscutting logic
- b) MVC logic
- c) Constraint logic
- d) Bean logic

Chapter -2

1. If we use Maven for Spring's applications, where we can add dependencies?

- a) pom.xml
- b) Web.xml
- c) Context.xml
- d) Config.xml

Chapter 4

7. IOC can be decomposed into two subtypes are

a) Dependency Injection

b) Dependency Lookup

c) Bean factory

d) None

12. Dependency Injection are two types

a) Constructor Dependency Injection

b) Setter Dependency Injection

c) Both twos

18. Transaction and AOP service, message source for internationalization (i18n) and application event handling are the services of

a) ApplicationContext

b) BeanFactory

c) FactoryBean

d) ActionServlet

42. IOC can be decomposed in which subtype

a. Dependency Injection.

b. Dependency certain.

c. Dependency Lookup.

d. Dependency pull

57. There are two types of IOC containers. They are

a) BeanFactory

b) ApplicationContext

c) BeanContext

d) ApplicationFactory

Chapter 8

1. What's the meaning of CRUD?

A. Create, Read, Update, Destroy

B. Create, Run, Update, Destroy

C. Create, Read, Update, Delete

D. Create, Run, Update, Delete

12. In the Spring JDBC module, there is a class called JdbcDaoSupport. It wraps up the _____ class.

A. JdbcSupport

B. JdbcDao

C. JdbcTemplate

D. NOne

14. Which interface is suitable for only row base mapping to a single domain object?

A. RowMapping<T>

B. RowMapper<T>

C. ResultSetExtractor

D. None of the above

30. Which is/are ORM frameworks?

A. Hibernate

B. EclipseLink/ TopLink

C. OpenJPA

D. All are

47. In the Spring Jdbc module, there is a class called

a) JdbcDaoSupport

b) JdbcTemplateSupport

c) JdbcTemplateDaoSupport

d) JdbcObjectDaoSupport

57. Why jdbcTemplate used for?

a. allows to issue any type of sql statement

b. returns any type of result

C. both a & b

d. none

62. The interface is used by the JdbcTemplate to map a resultset row is

A. RowElementMapper

B. RowMapper

C. Mapper

D. ValueMapper

Ans: B

63. The main advantage of using Data Access Object (a.k.a. DAO) pattern is

A. It provides object modeling for data

B. It provides access credentials to the data objects

C. It hides database specific implementation from the other layers of the application

D. It always provides non jdbc specific implementation

64. A key benefit of using DataSource is that

A. it is possible to use a database connection pool to fetch database connection

B. it is possible to directly connect to a database without using connection parameters

C. it automatically enables distributed transactions

D. it facilitates logging of database queries and their results

66. Named parameters are typically used for

A. Statements

B. Prepared Statements

C. Callable Statements

D. Transactions

69. Using named parameters is preferred due to

A. proxy pattern usage

B. low cohesion

C. loose coupling

D. improved code maintainability

71. JdbcDaoSupport typically has a reference to

A. JdbcDataSource

B. JdbcReference

C. Template

D. JdbcTemplate

Chapter 9

1) Which is manage Hibernate's session factory to work in a Spring application?

a) **SessionFactory**

b) Application context

c) method

3) which is the Maven's project object model file?

a) Web.xml

b) context.xml

c) **pom.xml**

8) "@Entity" which means that this is a mapped-

a) java class

b) entity object

c) **entity class**

10) HQL means?

a) **Hibernate Query Language**

b) Hipertext Query Language

c) Hiperlink Query Language

Chapter 10

4. Which is creates and manages multiple EntityManager instances.

A. **EntityManagerFactory**

B. EntityTransaction

C. Persistence

D. None

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

A. EntityManagerFactory

B. EntityTransaction

C. Persistence

D. **Entity**

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

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

A. `@SqlResultSetMapping`

B. `@SqlResultSetExtractor`

C. `@SqlResultSetQuery`

Ans. A

23. Which is not JPA persistence?

a. Hibernate

b. eclipseLink

c. OracleToplink

d. Maven

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

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

a) JDBC

b) NoSQL

c) Hibernate

d) JPA

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

Chapter 12

1. Why we use the Design to interfaces

A) Remove coupling

B) Lose coupling

C) Reduce coupling

D) All of the above

10. Which is/are the drawbacks of the Basic Factory Pattern

A. There is no way to change an implementing class without a recompile.

B. There is no way simply to switch instantiation models.

C. Only A

D. Both A and B

Chapter 14

1. What is/are the purpose of validation?

a) Fulfills all predefined business requirements.

b) Ensure the data integrity of the application.

c) Usefulness in other layers of the application.