Core Spring Assessment – 20 Questions

Q 1- What is Dependency Injection?

**A - It is a design pattern which implements Inversion of Control for software applications.**

B - It is one of the spring module.

C - It is a technique to get dependencies of any project.

D - It is used to promote tight coupling in code.

Q 2- If a bean can be created any number of times, scope is

A - session

B - global-session

**C - prototype**

D – request

Q 3 - Which are the correct implementation classes of ApplicationContext?

A - FileSystemXmlApplicationContext, ClassPathXmlApplicationContext, WebXmlApplicationContext

**B - FileSystemApplicationContext, ClassPathApplicationContext, WebApplicationContext**

C - AdvancedApplicationContext, FileApplicationContext

D - FileSystemApplicationContext, ClassPathApplicationContext

Q 4- Which is the way to provide configuration metadata to spring?

A - XML Based configuration file.

B - Annotation based configuration.

C - Java based configuration.

**D - All of the above.**

Q 5- What is byType mode of autowiring?

A - Default setting which meas no autowiring and you should use explicit bean reference for wiring.

B - Autowiring by property name. Spring tries to match and wire its properties with the beans defined by the same names in the configuration file.

C - Spring first tries to wire using autowire by constructor, if it does not work, Spring tries to autowire by byType.

**D - Autowiring by property type. Spring tries to match and wire a property if its type matches with exactly one of the beans name in configuration file.**

Q 6- If a bean is created once per Ioc Container, scope is

A - **singleton**

B - global-session

C - prototype

D – request

Q 7- What types of Dependency injection does spring supports?

**A - Constructor based, Setter based**

B - Constructor based, Setter based, Getter Based

C - Setter based, Getter based, Properties based

D - Constructor based, Setter based, Properties based

Q 8- How after advice works?

**A - Run advice after a method execution regardless of its outcome.**

B - Run advice after a class loads.

C - Run advice after http response is returned.

D - Run advice after http request is processed.

Q 9- Which of the following class can be used to execute SQL statements in spring?

A - SPHelper

B - JdbcTemplateCall

**C - JdbcTemplate**

D – SimpleJdbcCall

Q 10- Which of the following stands true for spring beans?

A - Spring beans are managed by the Spring IoC container.

B - Spring beans are instantiated, assembled, and otherwise managed by a Spring IoC container.

C - Spring beans are simple POJOs.

**D - All of the above.**

Q 11 A bean must have id attribute in beans configuration file.

**A - True**

B – False

Q 12- How to get object of a service in spring framework?

A - Using new keyword

**B - Using dependency injection**

Q 13- Which of the following is correct about dependency injection?

**A - It helps in decoupling application objects from each other.**

B - It helps in deciding the dependencies of objects.

C - It stores objects states in database.

D - It stores object states in file system.

Q 14- Which of the following is correct assertion about spring?

A - Spring enables developers to develop enterprise-class applications using POJOs.

B - Spring is organized in a modular fashion.

C - Testing an application written with spring is simple because environment-dependent code is moved into this framework.

**D - All of above.**

Q 15. Which is correct for Spring Framework?

**a. Spring framework is light-weight solution.**

b. Spring framework is heavy-weight solution.

Q 16. How to get the object of DAO in spring framework?

a. Using new keyword

**b. Using Spring Dependency injection**

Q17. Which class represents the IoC container?

**a. ApplicationContext**

b. ServletContext

Q18. What is the scope of a bean by default in spring?

a. Prototype scope

**b. Singleton scope**

Q 19. By default a bean is eagerly initialized in spring?

**a. True**

b. False

Q 20. By default a bean is not autowired?

**a. True**

b. False