SECTION -1

1. What are the major features in different versions of Spring Framework?

* IoC (Inversion of Control) Container
* Support for aspect-oriented programing
* Data access framework
* Transaction management framework
* Spring MVC framework
* Spring web service
* Spring test frameworks
* Core container

1. What is spring Framework?

The Spring Framework provides a comprehensive programming and configuration model for modern Java-based enterprise applications - on any kind of deployment platform.

1. List the advantages of spring framework?

* i. Use of POJO.
* ii. Flexibility for configuring Spring.
* iii. No Need Server. As you know Spring framework provides a lightweight container. ...
* iv. Use of Spring AOP.
* v. No Need to Reinvent. ...
* vi. Use of Modularity. ...
* vii. Ease of Testability. ...
* viii. The Consistency of Transaction Management.

1. What are the different features of Spring Framework?

* Light weight
* Non intrusive
* IOC
* AOP
* JDBC exception handling
* Spring MVC framework
* Spring Security

1. How many modules are there in Spring Framework and what are they?

The Spring Framework consists of features organized into about 20 modules. These modules are grouped into Core Container, Data Access/Integration, Web, AOP (Aspect Oriented Programming), Instrumentation, and Test, as shown in the following diagram.

1. What is a Spring configuration file?

A Spring configuration file is an XML file that contains the classes information. It describes how those classes are configured as well as introduced to each other. The XML configuration files, however, are verbose and cleaner.

1. What are the different components of a Spring application?

* IoC container: ...
* Data access framework: ...
* Spring MVC framework: ...
* Transaction management: ...
* Spring Web Service: ...
* JDBC abstraction layer:

1. What are the various ways of using Spring Framework?

There are three ways to define configuration, available in Spring 4 by default:

xml-based configuration, when you describe configuration in xml file;

java-based configuration, when configuration is Java class, marked with specific annotations;

groovy-based configuration, when configuration is file with Groovy code;

1. What is Spring IOC Container?

Spring IoC Container is the core of Spring Framework. It creates the objects, configures and assembles their dependencies, manages their entire life cycle. The Container uses Dependency Injection(DI) to manage the components that make up the application

1. What do you mean by Dependency Injection?

In object-oriented programming (OOP) software design, dependency injection (DI) is the process of supplying a resource that a given piece of code requires. The required resource, which is often a component of the application itself, is called a dependency.

1. How to install spring boot in IntelliJ IDEA?

Press Ctrl+Alt+S to open the IDE settings and select Plugins. Open the Installed tab, search for Spring and make sure that the checkboxes next to all relevant plugins are selected.

1. Please change default server port from 8080 to 9090?

Server.port=9090

1. How to resolve whitelabel error page in spring boot application?

Check if the program is running or not

Check if all the java files are on same diretory

1. How are i18n and localization supported in Spring MVC?

Most of the web application frameworks provide easy ways to localize the application based on user locale settings. Spring also follows the pattern and provides extensive support for internationalization (i18n) through the use of Spring interceptors, Locale Resolvers and Resource Bundles for different locales.

1. Differentiate between a Bean Factory and an Application Context.

While the BeanFactory provides basic functionality for managing and manipulating beans, often in a programmatic way, the ApplicationContext provides extra functionality like MessageSource, Access to resources, Event propagation to beans, Loading of multiple (hierarchical) contexts etc

1. Difference between Autowired , Inject and Qualifier Annotation

@Inject annotation is part of Java CDI which was introduced in Java 6, whereas @Autowire annotation is part of spring framework.

SECTION B

1. D
2. A
3. B
4. A
5. B
6. A
7. C
8. A
9. A
10. C
11. B
12. D
13. A
14. B
15. D
16. D
17. A
18. A
19. C
20. D