

*Qno.1) Spring Boot Starters that you know of?*

*Answer: Spring Boot provides a starter projects that help us easily start building different types of spring projects.*

*Some of them which i know are as follows:*

- 1) Spring-boot-starter*
- 2) Spring-boot-starter-web*
- 3) Spring-boot-starter-data-jpa*
- 4) Spring-boot-starter-rest*
- 5) Spring-boot-starter-mail*
- 6) Spring-boot-starter-web services*

*Qno.2) What are possible sources of External configuraton?*

*Answer: Possible sources of External configuration are -Properties files, YAML files, environment variables and command-line arguments to externalize configuration. Property values can be injected directly into beans by using the @Value annotation, accessed through Spring's Environment abstraction, or be bound to structured objects through @ConfigurationProperties.*

*Qno.3) What are the basic Annotation that Spring Boot offers?*

*Answer: Basic Annotation that Spring Boot offers are as follows:-*

*@Autowired - This annotation is applied on fields, setter methods, and constructors. It provides object dependency.*

*@Qualifier - It is used with @Autowired annotation. It provides more control over dependency.*

*@Configuration - It is used on classes which define beans.*

*@Bean - It is used at method level with*

*@configuraton to create Spring beans.*

*@ComponentScan - It is used to scan a package for beans. It is*

*used with @configuration annotation.*

*Qno.4) Why do we need spring profile?*

*Answer: Spring provides way to segregate parts of application configuration and makes it available only in certain environments. There are*

*mainly 4 types of environments like dev, QA, stage and Production.*

*So , with the help of profile we can restrict some configurations available only in some particular environment.*

*Spring @profile allow developers to register beans by condition.*

*For example:-*

*i) Register beans based on what O.S the application is running.*

*ii) Load a database properties file based on the application running in development, test, staging or production environment.*