**Spring Boot Interview Questions and Answer**

Ref: https://www.javapedia.net/Spring-Boot

**1. What is Spring Boot?**

Spring Boot is a framework for building and running Spring applications by providing defaults for code and annotation configuration to quick start new Spring projects within no time. It follows "Opinionated Defaults Configuration" Approach to avoid lot of boilerplate code and configuration to improve Development, Unit Test and Integration Test Process.

One of the biggest challenges faced by the Spring developers is that amount of time they spent on configuring and bootstarting their spring applications.With growing number of frameworks with Spring community, it is necessary to have a common framework that solves the configurations. Spring Boot simply scan the classpath and add the required libraries from various repositories. This improves the productivity and saves lot of time for the developers.

**2. Advantages of using Spring Boot.**

To ease the Java-based applications Development, Unit Test and Integration Test Process.

To reduce Development, Unit Test and Integration Test time by providing some defaults.

To increase Productivity.

It avoids writing lots of boilerplate Code, Annotations and XML Configuration.

It is very easy to integrate Spring Boot Application with its Spring Ecosystem like Spring JDBC, Spring ORM, Spring Data, Spring Security etc. It follows ?Opinionated Defaults Configuration? Approach to reduce Developer effort.

It provides Embedded HTTP servers like Tomcat, Jetty etc. to develop and test our web applications very easily.

It provides CLI (Command Line Interface) tool to develop and test Spring Boot(Java or Groovy) Applications from command prompt very easily and quickly.

It provides lots of plugins to develop and test Spring Boot Applications very easily using Build Tools like Maven and Gradle.

It provides lots of plugins to work with embedded and in-memory Databases very easily.

**3. What are the limitations of Spring Boot?**

We can convert all kinds of spring projects into Spring Boot Applications however it is time consuming process to convert existing or legacy Spring Framework projects into Spring Boot Applications.

**4. Can we use spring boot for applications that are not built using Spring framework?**

No. Spring Boot is limited to work with Spring based applications (Java/groovy).

**5. What is the latest version of Spring Boot?**

1.4.2 is the latest version.

**6. Explain CommandLineRunner interface in Spring boot.**

CommandLineRunner Interface is used to indicate that a bean should run when it is contained within a Spring application. Multiple CommandLineRunner beans can be defined within the same application context and can be ordered using the Ordered interface or @Order annotation.

**7. Difference between CommandLineRunner and ApplicationRunner in Spring Boot.**

Both are similar in terms of functionality and the difference is that If you need access to ApplicationArguments instead of the raw String array consider using ApplicationRunner than CommandLineRunner.