**SpringBoot Interview Questions**

1. **What is SpringBoot?**

* SpringBoot is a java framework that makes easier to create and run java applications
* It simplifies configurations and setup process allowing developers to focus on code(earlier we have to use dependencies manually for all the modules to be used but boot solves this problem)
* It is a model of spring to create rapid application.
* It solves main issues of developers i.e dependency injection,Configuration,embedded servers.

1. **Why springboot over spring?**

* Removes boilerplate code
* Rapid development
* Production Ready Application
* Autoconfiguration
* Dependency Injection

Also all the features of spring

1. **Working on springBoot?**

* Starts by Scanning starter dependencies in pom.xml and then downloads and autoconfigures the module as u included in pom.xml
* For example we have to create a web application then we have to include spring-boot-starter-web dependency, spring scans and downloads all the dependencies required for web

1. **How SpringBoot starts?**

* Starts by calling main
* The run() method in Application is called and applicationcontext is created and initialized
* Once the applicationcontext is initialized, the run() method starts the embedded server is started

**5. Top Spring Annotations**

* + @SpringBootApplication: it consists of 3 annotations
    - @Configuration
    - @EnableAutoConfiguration
    - @ComponentScan
  + It is Specifically used in main method
  + @Component: used to create a class as component. Marks a class as a Spring-managed component for auto-detection.
  + @RequestMapping: used to map specific url to method,used on class as well as method level.
  + @Repository: Mark the class as dao mostly used on database persistent logic

**6. What are SpringBoot Starters?**

* Starters are a collection of preconfigures dependencies that makes it easier to develop particular kinds of applications.
* These starts include all the required dependencies,version control and configuration required to make certain features of springboot application functional.

**7. What are the key dependencies of springboot?**

* Spring-boot-starter-parent
* Spring-boot-starter-actuator
* Spring-boot-starter-web
* Spring-boot-starter-test
* Spring-boot-starter-security
* Spring-boot-maven-plugin etc

**8. What is Spring-boot CLI and its advantages?**

There are commands for CLI

**9. What is Thymleaf?**

Java based server side templating engine used in web based applications to render dynamic web pages

Request

Server

Client

Response

Dynamic Html