## **What is Spring boot?**

**[Sprint boot](https://www.interviewbit.com/java-interview-questions/" \t "https://www.interviewbit.com/spring-boot-interview-questions/_blank)** is a Java-based spring framework used for Rapid Application Development. It has extra support of auto-configuration and embedded application server like tomcat, jetty, etc.

## **Features of Spring Boot?**

## **Externalized Configuration**

Spring Boot allows us to externalize our configuration so that we can work with the same application in different environments.

We can use a variety of external configuration sources like Java properties files, YAML files, etc.

## **Profiles**

Spring Profiles provide a way to segregate parts of your application configuration and make it be available only in certain environments.

## **Rapid application development**

Spring boot provides us to do the Rapid application development. So whatever application you want to create, you can create using spring boot very easily.

## **Dependency Management**

Spring boot provides a way to group all the dependencies into a different starter templates that are required to do that particular task. Suppose if you want to work with the jdbc and there is a spring-boot-starter-jdbc template available that will include all the dependencies required to do that particular thing.

## **Auto configuration**

If we implement any of the Other libraries there might be one or the other configurations  that we have to do to work with the spring framework. What spring boot does is, use auto configuration for all those dependencies, all those libraries that we can use.

So if we want to implement hibernate, just add the hibernate dependencies using spring-boot-starter, all those configurations will be added automatically using the spring-boot-auto-configurer template.

## **Embedded server**

If we see the traditional way of deploying the java application is like, we create the application, we create the war file of the entire application and deploy that war file in any of the application server or the web server.

But with spring boot that particular server will be embedded to that particular entire application. so we won’t be creating the war file, we will be creating the jar file and in that particular JAR file our server will be embedded. So we can directly run the JAR file in any of the environment. So it’s always production-ready.

## **What are the advantages of using Spring Boot?**

* Increases productivity and reduces development time.
* Minimum configuration.
* We don’t need to write any XML configuration, only a few annotations are required to do the configuration.