**Spring Boot**

1. Spring Framework is a base of the Spring Boot.
2. Spring Boot is used for faster development and deployment.
3. Spring Boot provides the auto configuration module which will help developer to reduce the configuration efforts.
4. Spring Provides the starter Project/Dependencies which help to manage the jar file internally required for that module.
5. Spring Boot Provided Embedded server for execution, Embedded DB etc.
6. Spring Boot mostly used for a REST API development.
7. Spring boot is bases on Spring Framework. In which Dependency Injection (DI) is mostly used by a framework internally.
8. Spring Boot is divided into several modules which used for developing a different type of application.
9. Some of the examples of modules
   1. **Spring Core/IOC**
   2. **Spring JDBC**
   3. **Spring ORM**
   4. **Spring REST**
   5. Spring MVC
   6. Spring Batch
   7. Spring Cloud
   8. Spring JMS
   9. Spring Security

**Spring Modules Implementation Steps**

1. Add a Dependencies.
2. Provide a configuration for the module.
3. Use a APIs provided by spring framework.

**Spring Boot Project Creation**

1. There are multiple ways to create a spring boot application
   1. **Spring Initializer web application.**

[**https://start.spring.io/**](https://start.spring.io/)

* 1. Spring CLI

<https://docs.spring.io/spring-boot/docs/current/reference/html/cli.html>

* 1. Spring Tool Suit IDE (STS)

<https://spring.io/tools>

Creating Spring Boot Application and Importing into Eclipse

1. Create a Spring Boot Application from the spring initializer

[**https://start.spring.io/**](https://start.spring.io/)

1. Copy and paste the jar file into eclipse workspace.
2. Extract the zip file.
3. Steps to open project into eclipse
   1. “File” menu -> Select “Import” option
   2. Search for “maven” into wizard
   3. Select “Existing Maven Project” option.
   4. Click on “Next” -> select a project path into Root Directory
   5. Click On “Finish”

