Spring Boot

Introduction

What is SpringBoot

Java Spring Boot is **a tool that makes developing web application and microservices with Java Spring** framework faster and easier.

By Spring Boot we can create stand-alone, production-grade based Applications that you can "**just run**".

How SpringBoot Solves this problem.

- SpringBoot comes with Auto-Configuration.
- It automatically configure your Spring application based on the jar dependencies that you have added.
- For example: If MySQL DB is on your classpath, and you no need to manually configure any database connection beans, the Spring Boot auto-configures database.

Why SpringBoot over Spring.

- In Spring there is no option of Auto-Configuration.
- includes annotations, complicated XML configurations, and boilerplate code.
- It means everything we need to configure manually.
- This Makes a lot of boiler plate code.

Spring vs SpringBoot

1.Purpose

Spring: used to build web apps

vs

SpringBoot:used to build REST APIs.

2.Key Functionality

Spring: The most essential feature is Dependency Injection (DI).

vs

SpringBoot:The prime feature of Spring Boot is Autoconfiguration

3.Use Case

Spring: Loseely coupled applications

vs

SpringBoot: Standalone applications

4.Servers

Spring: Explicit configuration of servers is needed

vs

SpringBoot: Pre-install servers like Tomcat and Jetty.

5.XML Configuration

Spring: Required

vs

SpringBoot: Not Required

6.Database

Spring: No support for in-memory database.

vs

SpringBoot: support for in-memory database. like H2.