SpringBoot

By using of SpringBoot we can create standalone,production grade,Spring based Applications.That we can just run in the production easily.

Creating of Springboot Application I have used eclipse.

Steps:SpringBoot project

* Open eclipse🡪file🡪new🡪maven project.
* Click on next.
* Enter groupId and ArtifactId and click on finish.
* Add pom.xml in this project
* Spring-boot-starter-parent
* Spring-boot-starter-web
* Update the maven project
* Then we creating a class (SpringBootApplication)placed in packages

In this class Add annotation **@SpringBootApplication**(annotation) it is the starting of the spring boot application

🡪we have to put java class in some package it is mandatory.If haven’t create a package it gives the following error.

Error: Your Application context is unlikely to start due to @componentsScan of the defaultpackage.

* Create a controller class(SpringController.java)
* In this class we add **@RestController**(annotation) It will tell the SpringBoot controller class
* And also add **@RequestMapping**(“/ “)

It invokes the method

**Eg**: path <http://ocalhost:8080/path_name>

* Run This Application on server.
* Right click o the application and run on server
* Here **@RestController** , tells the spring Boot to consider this class as restController & register **@RequestMapping** paths inside it to respond to the http requests.
* We can also change default tomcat server port in **application .properties** file.
* We can find application properties files in src/main/resources.there,in order to change the port we have to write server.port=<port\_number>

**To kill the port using cmd we write this commands**

* Netstat -ano | findstr 8080
* Taskkill /F /PID

**Connect database using SpringBoot:**

1. HelloApplication.java (mainclass)
2. Hellocontroller.java (controller)
3. Person.java (pojo class)
4. Pom.xml (file)

Steps to connect database.

**Step 1: Add Springboot JDBC dependency**

To create database connection in springboot application first we need to add the following dependency in your applications Pom.xml

**Step 2: Add DataSource information in application properties**.

In spring boot,rather than writing in xml’s just open your application. Properties and add your database information to the spring boot’s predefined keys.

**Step 3: Get JDBCTemplate Object**.

Go to our DAO class and get the object of jdbc template by @Autowired annotation and use it.Spring boot will automatically get the data source details from application