

Spring and Spring Boot MVC steps

Spring MVC steps-

- 1) Create Dynamic web project.
- 2) In web.xml add servlet tag for your front controller. Then add servlet-mapping tag in web.xml.
- 3) Create *frontcontroller*-servlet.xml file (Here frontcontroller is the name which you gave in servlet tag in web.xml). Then add

```
<context:component-scan base-package = "your package name where you have created Java files" />
```

- 4) Create Java files under src/main/java. Add @Controller annotation over Java class which you want to make as Controller. Add @ResponseBody and @RequestMapping annotations over the function which you want to handle the requests.

- 5) Add Spring jar files to lib folder.

- 6) Download and add Apache web server.

Spring Boot application-

1) Long cut-

- 1.a) Create new Maven project. New pom.xml file will automatically be created.

- 1.b) Google mvn repository and search "starter-parent". Then choose the version you want. Create <parent> </parent> section in pom.xml and paste it in between. For example-

```
<parent>
  <groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-starter-parent</artifactId>
  <version>2.2.5.RELEASE</version>
</parent>
```

- 1.c) In mvn repository search "spring boot starter web". Choose version and paste it in <dependencies> </dependencies> section. For example-

```
<dependencies>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-web</artifactId>
    <version>2.2.5.RELEASE</version>
  </dependency>
</dependencies>
```

1.d) Add <properties> </properties> section and add Java version you want to work with like this-

```
<properties>
  <java.version>1.8</java.version>
</properties>
```

1.e) Google “spring boot maven plugin” and choose the version and paste the build section inside pom.xml like this-

```
<build>
  <plugins>
    <plugin>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-maven-plugin</artifactId>
    </plugin>
  </plugins>
</build>
```