



Day 10: Assignment: Spring Boot, MVC, Actuator, Autoconfiguration

1. Create a new Spring boot application with spring-web starter dependencies and create following rest endpoints-

http : //localhost : 8080/employees → Should return list of employees represented through JSON objects

http : //localhost : 8080/employees/1 → Should return one JSON object for a particular employee

NOTE: Configure the logging level to - DEBUG so that we can see more information in the console logs

→ Run the above application and write the important autoconfiguration displayed in DEBUG logs (i.e. - DispatcherServlet configuration, ErrorMessage configuration and JacksonMassegeConverter configuration)

→ Now add the actuator dependencies in the POM.xml of above maven application and test following URL

http : //localhost : 8080/actuator : Observe the listed endpoint information by click on each

→ Configure this application so that it should display more links/endpoints for application matrix, health, beans etc (hint - configure through application.properties file)

→ Now add the **devtools** dependencies in POM.xml and restart the application after building..

Do any modification in java code (maybe in any of the controller method) and try to request through the same URL without restarting the server... Observe if the changes are being reflected even without stopping and restarting the server (bcz of DevTools)

2. Create a simple web application in IDE, add Spring jars manually and configure it for a simple HelloWorld web application (without using spring boot).

→ Provide DispatcherServlet configuration in web.xml

→ Configure Beans and JacksonMessageConverter and view resolvers in servlet-config file manually without using autoconfigurations of Spring boot.

NOTE: use Tomcat Web Server and configure to run above application OR use maven-plugin for the same.

3. Write some important features of Spring Boot.

4. Try to compare Spring vs Spring-Web vs SpringBoot

5. How to run spring boot application on customized port number (other than default 8080)