Hands-On – HelloWorld RESTful Service Using Spring Web

# 1. Objective

To create a simple RESTful web service using Spring Boot in the existing 'spring-learn' application that returns the text 'Hello World!!' on a GET request.

# 2. Implementation Steps

## Step 1: Create HelloController.java

Package: com.cognizant.springlearn.controller

Add the following code:

package com.cognizant.springlearn.controller;  
  
import org.slf4j.Logger;  
import org.slf4j.LoggerFactory;  
import org.springframework.web.bind.annotation.GetMapping;  
import org.springframework.web.bind.annotation.RestController;  
  
@RestController  
public class HelloController {  
  
 private static final Logger LOGGER = LoggerFactory.getLogger(HelloController.class);  
  
 @GetMapping("/hello")  
 public String sayHello() {  
 LOGGER.info("Start sayHello()");  
 String message = "Hello World!!";  
 LOGGER.info("End sayHello()");  
 return message;  
 }  
}

## Step 2: Run the SpringLearnApplication

Start the application and access the following URL:

http://localhost:8083/hello

# 3. Output

Sample Response in Browser or Postman:  
Hello World!!

# 4. Logs in Console

INFO : Start sayHello()  
INFO : End sayHello()

# 5. Developer Tools - Network Tab in Browser

When you open developer tools and click on the 'Network' tab, you can see:  
- Method: GET  
- Status: 200 OK  
- Response: Hello World!!  
- Headers:  
 \* Content-Type: text/plain;charset=UTF-8  
 \* Content-Length: 13  
 \* Date: [Current Date and Time]

# 6. Postman – Headers Tab

In Postman, under the 'Headers' tab, you can see:  
- Key: Content-Type | Value: text/plain;charset=UTF-8  
- Key: Content-Length | Value: 13  
- Key: Date | Value: [Current Date and Time]

# ✅ Conclusion

You successfully created a RESTful service using Spring Boot that returns a static string. The service is testable both via browser and Postman, and logs verify the execution of the controller.