Hands-on 3: Hello World RESTful Web Service

## 1. Objective

Create a RESTful GET service that returns 'Hello World!!' using Spring Boot.

## 2. Set Server Port

File: src/main/resources/application.properties  
  
Content:  
server.port=8083

## 3. Create REST Controller

File: src/main/java/com/cognizant/springlearn/controller/HelloController.java  
  
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;  
 }  
}

## 4. Run and Test

• Run SpringLearnApplication.java  
• Open browser and visit: http://localhost:8083/hello  
• Or test using Postman with method GET  
  
Expected Response:  
Hello World!!

## 5. Check Headers

In Browser:  
• Open Dev Tools (F12) → Network Tab → Refresh → Click on /hello → View Headers tab  
  
In Postman:  
• After sending GET request → Click 'Headers' tab  
• View request/response headers like Content-Type, Content-Length, etc.

Output:

