**HELLO WORLD RESTFUL WEB SERVICE**

**Write a REST service in the spring learn application created earlier, that returns the text "Hello World!!" using Spring Web Framework. Refer details below:**

**Method: GET URL: /hello**

**Controller: com.cognizant.spring-learn.controller.HelloController**

**Method Signature: public String sayHello()**

**Method Implementation: return hard coded string "Hello World!!" Sample Request:** [**http://localhost:8083/hello**](http://localhost:8083/hello)

**Sample Response: Hello World!!**

**APPROACH**

**· Configure Port in application.properties with server.port=8083.**

**· Create HelloController in com.cognizant.spring\_learn.controller with @RestController.**

**· Define sayHello() method using @GetMapping("/hello") to return "Hello World!!".**

**· Add Logging with Logger to log start and end of the method.**

**· Run and Test via browser/Postman at http://localhost:8083/hello and check headers/logs.**

**CODE**

**HelloController.java**

**package com.cognizant.spring\_learn.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()");**

**LOGGER.info("END sayHello()");**

**return "Hello World!!";**

**}**

**}**

**SpringLearnApplication.java  
 package com.cognizant.spring\_learn;**

**import org.springframework.boot.SpringApplication;**

**import org.springframework.boot.autoconfigure.SpringBootApplication;**

**@SpringBootApplication**

**public class SpringLearnApplication {**

**public static void main(String[] args) {**

**SpringApplication.*run*(SpringLearnApplication.class, args);**

**}**

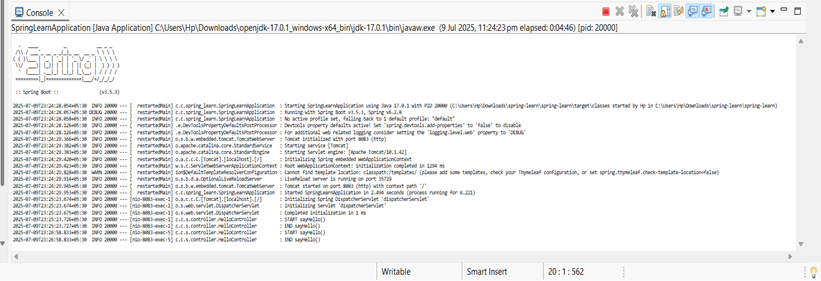
**}**

**application.properties**

**logging.level.com.cognizant.spring\_learn=DEBUG**

**server.port=8083**

**OUTPUT**

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