**Spring REST using Spring Boot 3**

**EXERCISE 3: HELLO World RESTful Web Service**

**Source Code**

**STEPS:**

**STEP 1: Create Spring Boot Project**

1. Go to: <https://start.spring.io>
2. Fill the fields:

* Group: com.cognizant
* Artifact: spring-learn-rest

1. Add dependencies:

* Spring Web

1. Click on "Generate" to download the project zip.
2. Extract the ZIP to your Eclipse workspace folder.

**STEP 2: Import the Project into Eclipse**

1. Open Eclipse.
2. Go to File > Import.
3. Select Maven > Existing Maven Projects → Next.
4. Browse and select the extracted spring-learn-rest folder.
5. Click Finish.

**STEP 3: Create the HelloController**

📁 Location: src/main/java/com/cognizant/springlearn/controller/HelloController.java

Right-click src/main/java → New → Package → Name it com.cognizant.springlearn.controller  
Then inside it, create a new class named HelloController:

Paste 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");

String message = "Hello World";

LOGGER.info("END");

return message;

}

}

**STEP 4: Update Application Properties**

To make sure it runs on port 8083:  
📁 src/main/resources → application.properties

Add this:

server.port=8083

**STEP 5: Run the Application**

1. Right-click SpringLearnApplication.java (in com.cognizant.springlearn).
2. Choose Run As > Java Application.
3. Wait for console to show:  
   Tomcat started on port 8083...

**STEP 6: Test the REST Endpoint**

1. Open Chrome or any browser.
2. Enter the URL: <http://localhost:8083/hello>
3. You should see:

**Hello World**

**CONSOLE OUTPUT:**

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