## **Introduction to Spring REST and Spring Boot 3**

### **Objective:**

Demonstrate how to set up a Spring Boot project with a REST controller, handle basic HTTP methods, and return JSON responses.

### **1. SpringLearnApplication.java**

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);

System.out.println("Spring Boot application started.");

}

}

### **2. HelloController.java**

import org.springframework.web.bind.annotation.\*;

@RestController

@RequestMapping("/api")

public class HelloController {

@GetMapping("/greet")

public String greet() {

return "Hello from Spring Boot REST API!";

}

@PostMapping("/echo")

public String echo(@RequestBody String message) {

return "You said: " + message;

}

}

### **3. application.properties**

server.port=8080

spring.application.name=spring-learn

**4 . OUTPUT**

