Week 4 - Spring Boot REST API

# 1. GET API - /api/hello

✅ Code Summary:

The UserController class defines a REST endpoint `/api/hello` that returns a welcome message using Spring Boot's @RestController and @GetMapping.

📸 Output: [See Output/GET\_hello.png]

💡 Explanation: This demonstrates a basic GET request using Spring Boot REST controller.

# 2. POST API - /api/user

✅ Code Summary:

The `createUser` method accepts a JSON user object and returns a confirmation message. It uses @PostMapping and @RequestBody.

📸 Output: [See Output/POST\_user.png]

💡 Explanation: This demonstrates how Spring handles POST data via JSON input mapped to a Java class.

# 3. Application.java

✅ Code Summary:

This file contains the `main` method that runs the Spring Boot application. It uses @SpringBootApplication annotation.

💡 Explanation: It bootstraps the Spring REST API application using SpringApplication.run.