**Spring REST using Spring Boot 3**

1. **spring-rest-handson**

**Create a Spring Web Project using Maven**

* **Spring Initializer**

Open <https://start.spring.io>

Fill the project metadata

* Group: com.cognizant
* Artifact: spring-learn
* Name: spring-learn
* Description: Spring Boot Web Project
* Packaging: Jar
* Java: 17 (or as per your requirement)

Add dependencies

* Spring Web
* Spring Boot DevTools
* **Open Command Prompt and Build**

mvn clean package

* **src/main/java**

**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);

System.out.println("Application started successfully!");

}

}

* **src/main/resources**

**application.properties**

spring.application.name=spring-learn

* **src/test/java**

**SpringLearnApplicationTests.java**

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

**import** org.junit.jupiter.api.Test;

**import** org.springframework.boot.test.context.SpringBootTest

@SpringBootTest

**class** SpringLearnApplicationTests {

@Test

**void** contextLoads() {

}

}

* **Purpose of @SpringBootApplication annotation**

A combination of:

* @Configuration: Marks the class as a source of bean definitions.
* @EnableAutoConfiguration: Automatically configures Spring application.
* @ComponentScan: Scans the package for Spring components.
* **pom.xml**

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-devtools</artifactId>

<scope>runtime</scope>

<optional>true</optional>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

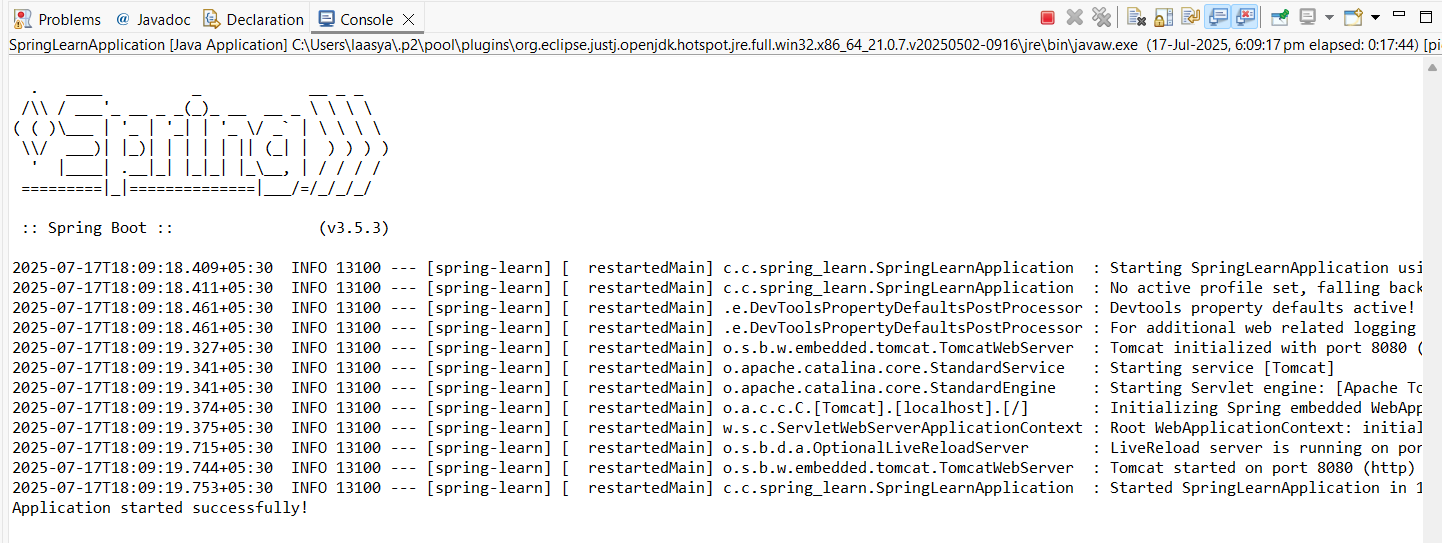
<artifactId>spring-boot-starter-test</artifactId>

<scope>test</scope>

</dependency>

</dependencies>

**OUTPUT:**

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