Hello World RESTful Web Service From File 2. spring-rest-handson

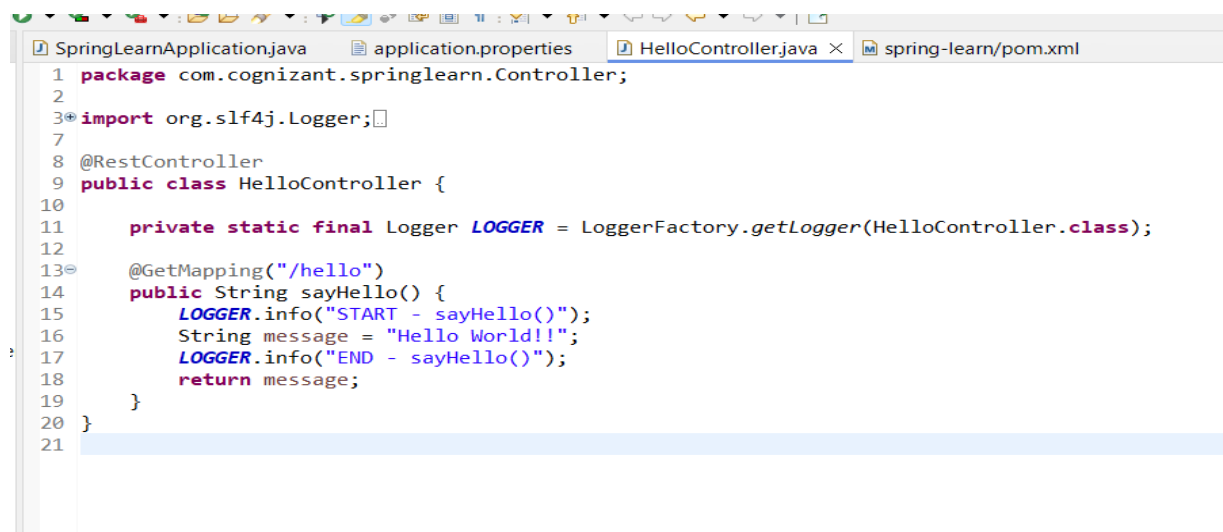**In Spring-learn project HelloController.java class:**
Code:

```java
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 - sayHello()");
        String message = "Hello World!!";
        LOGGER.info("END - sayHello()");
        return message;
    }
}
```

Pic from Eclipse IDE:

SpringLearApplication.java class:

```java
package com.cognizant.springlearn.Controller;

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);

    }

}
```
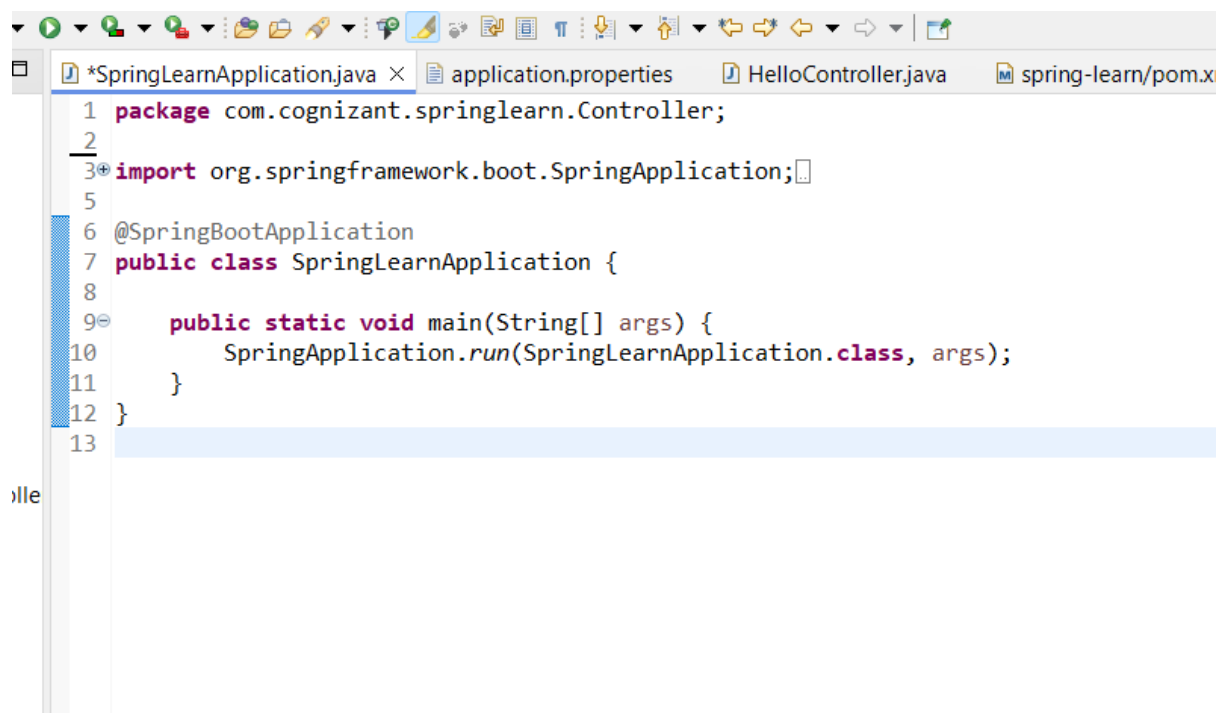
Pic from Eclipse IDE:

Pom.xml:

Dependencies

```xml
<!-- Spring Web -->
  <dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-web</artifactId>
  </dependency>

  <!-- Spring Web MVC -->
  <dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-webmvc</artifactId>
  </dependency>

  <!-- Servlet API -->
  <dependency>
    <groupId>javax.servlet</groupId>
    <artifactId>javax.servlet-api</artifactId>
    <version>4.0.1</version>
    <scope>provided</scope>
  </dependency>
```
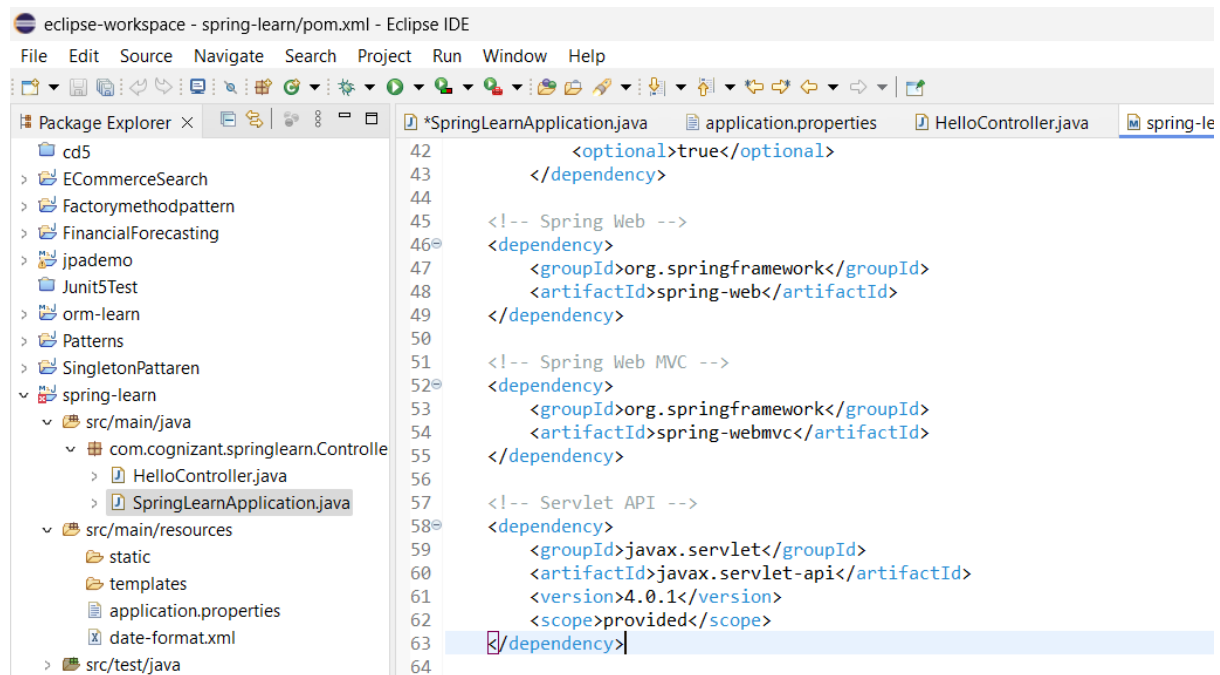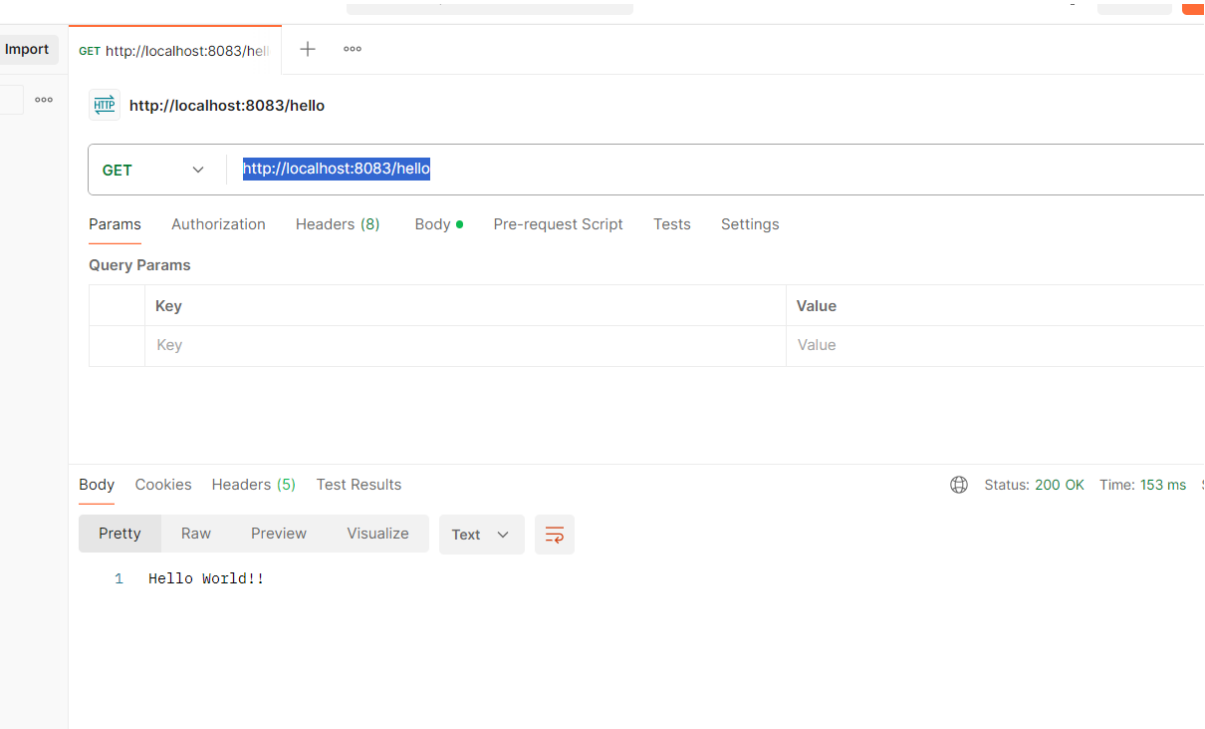
Pic from Ide:


```
eclipse-workspace - spring-learn/pom.xml - Eclipse IDE

File   Edit   Source   Navigate   Search   Project   Run   Window   Help
```

Package Explorer ×

- cd5
- > ECommerceSearch
- > Factorymethodpattern
- > FinancialForecasting
- > jpademo
- Junit5Test
- > orm-learn
- > Patterns
- > SingletonPattaren
- ∨ spring-learn
  - ∨ src/main/java
    - ∨ com.cognizant.springlearn.Controlle
      - > HelloController.java
      - > SpringLearnApplication.java
  - ∨ src/main/resources
    - static
    - templates
    - application.properties
    - date-format.xml
  - > src/test/java

```
42              <optional>true</optional>
43          </dependency>
44
45      <!-- Spring Web -->
46⊖     <dependency>
47          <groupId>org.springframework</groupId>
48          <artifactId>spring-web</artifactId>
49      </dependency>
50
51      <!-- Spring Web MVC -->
52⊖     <dependency>
53          <groupId>org.springframework</groupId>
54          <artifactId>spring-webmvc</artifactId>
55      </dependency>
56
57      <!-- Servlet API -->
58⊖     <dependency>
59          <groupId>javax.servlet</groupId>
60          <artifactId>javax.servlet-api</artifactId>
61          <version>4.0.1</version>
62          <scope>provided</scope>
63      </dependency>
64
```

After Running SpringLearnApplication.java class
Output from Eclipse:


```
SpringLearnApplication [Java Application] C:\Users\91833\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v20240426-1149\jre\bin\javaw.exe  (12 Jul 2025, 12:34:30 pm) [pid: 16176]
2025-07-12T12:34:33.58/+05:30  INFO 16176 --- [spring-learn] [   restartedMain] o.s.b.d.a.OptionalLiveReloadServer       : LiveReload server is running on port 35729
2025-07-12T12:34:33.629+05:30  INFO 16176 --- [spring-learn] [   restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat started on port 8083 (http) with context path
2025-07-12T12:34:33.638+05:30  INFO 16176 --- [spring-learn] [   restartedMain] c.c.s.Controller.SpringLearnApplication  : Started SpringLearnApplication in 2.252 seconds (pro
2025-07-12T12:34:40.223+05:30  INFO 16176 --- [spring-learn] [nio-8083-exec-3] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring DispatcherServlet 'dispatcherSer
2025-07-12T12:34:40.223+05:30  INFO 16176 --- [spring-learn] [nio-8083-exec-3] o.s.web.servlet.DispatcherServlet        : Initializing Servlet 'dispatcherServlet'
2025-07-12T12:34:40.224+05:30  INFO 16176 --- [spring-learn] [nio-8083-exec-3] o.s.web.servlet.DispatcherServlet        : Completed initialization in 1 ms
2025-07-12T12:34:40.264+05:30  INFO 16176 --- [spring-learn] [nio-8083-exec-3] c.c.s.Controller.HelloController         : START - sayHello()
2025-07-12T12:34:40.264+05:30  INFO 16176 --- [spring-learn] [nio-8083-exec-3] c.c.s.Controller.HelloController         : END - sayHello()
2025-07-12T12:34:57.447+05:30  INFO 16176 --- [spring-learn] [nio-8083-exec-4] c.c.s.Controller.HelloController         : START - sayHello()
2025-07-12T12:34:57.447+05:30  INFO 16176 --- [spring-learn] [nio-8083-exec-4] c.c.s.Controller.HelloController         : END - sayHello()
2025-07-12T12:36:03.485+05:30  INFO 16176 --- [spring-learn] [nio-8083-exec-8] c.c.s.Controller.HelloController         : START - sayHello()
2025-07-12T12:36:03.486+05:30  INFO 16176 --- [spring-learn] [nio-8083-exec-8] c.c.s.Controller.HelloController         : END - sayHello()
2025-07-12T12:38:36.516+05:30  INFO 16176 --- [spring-learn] [nio-8083-exec-2] c.c.s.Controller.HelloController         : START - sayHello()
2025-07-12T12:38:36.520+05:30  INFO 16176 --- [spring-learn] [nio-8083-exec-2] c.c.s.Controller.HelloController         : END - sayHello()
```
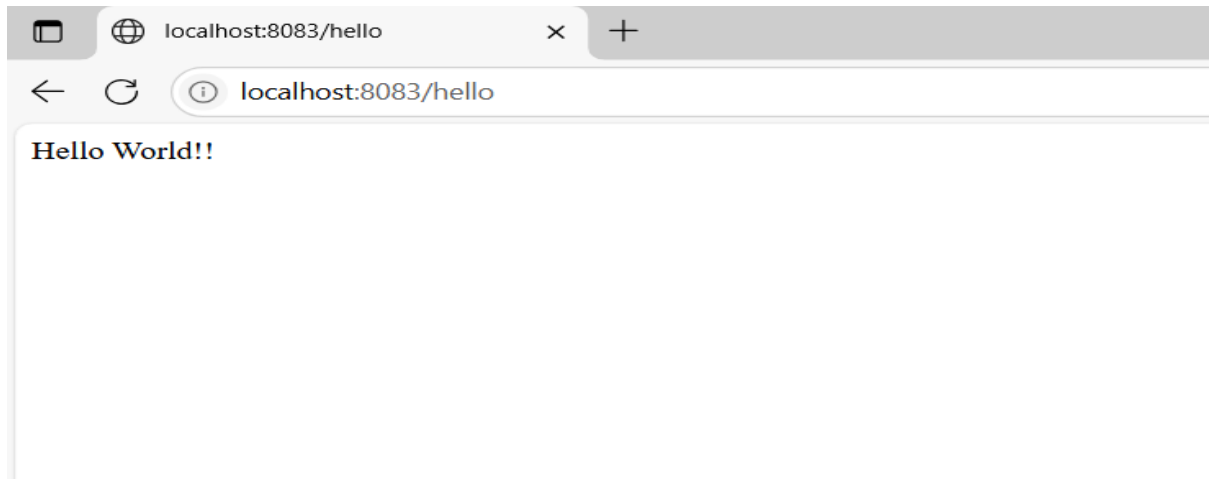
Output From Postman:

Hello World!!

Hearders Tab:

In the Browser tab Output:

Hello World!!

Pic from browser:

Header tab: