

REST - Country Web Service From File 2. spring-rest-handson:

Classes From The Project

Country.java from package `package com. cognizant. spring_learn. model:`

Code:

```
package com.cognizant.spring_learn.model;

public class Country {

    private String code;

    private String name;

    public Country() {}

    public Country(String code, String name) {

        this.code = code;

        this.name = name;

    }

    public String getCode() {

        return code;

    }

    public void setCode(String code) {

        this.code = code;

    }

    public String getName() {

        return name;

    }

}
```

```

    public void setName(String name) {

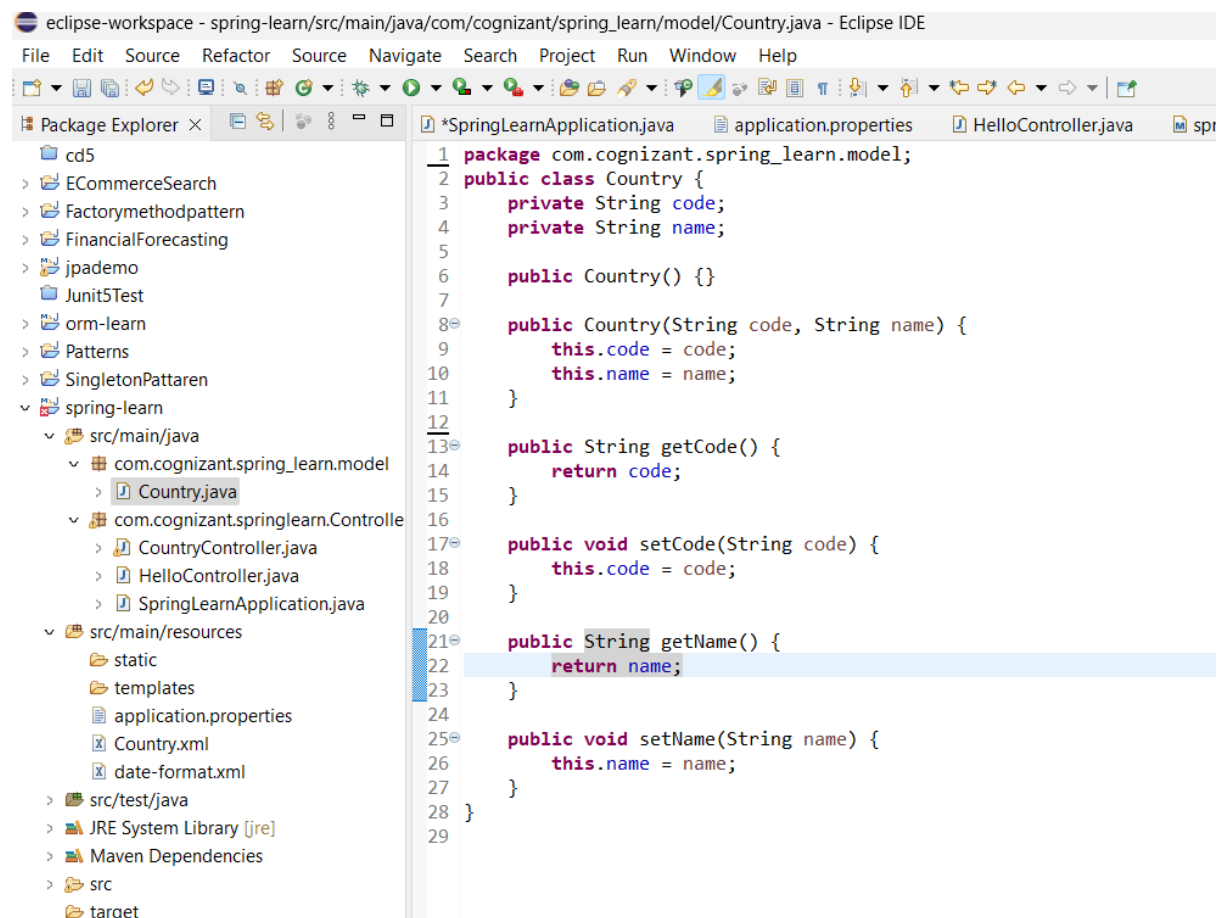
        this.name = name;

    }

}

```

Pic from Eclipse IDE:



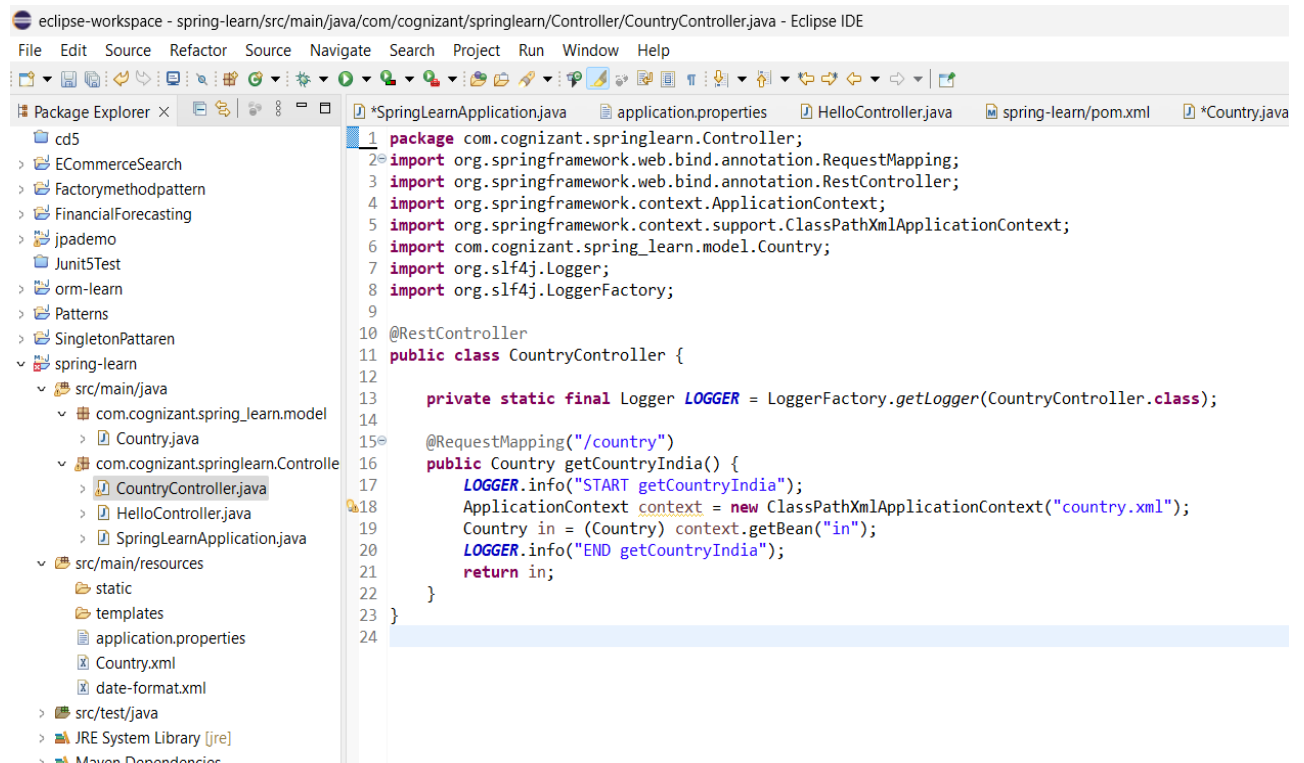
CountryController.java from package com.Cognizant.spring.Controller :

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

```
import org.springframework.web.bind.annotation.RequestMapping;
```

```
import org.springframework.web.bind.annotation.RestController;
import org.springframework.context.ApplicationContext;
import
org.springframework.context.support.ClassPathXmlApplicationConte
xt;
import com.cognizant.spring_learn.model.Country;
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
@RestController
public class CountryController {
    private static final Logger LOGGER =
LoggerFactory.getLogger(CountryController.class);
    @RequestMapping("/country")
    public Country getCountryIndia() {
        LOGGER.info("START getCountryIndia");
        ApplicationContext context = new
ClassPathXmlApplicationContext("country.xml");
        Country in = (Country) context.getBean("in");
        LOGGER.info("END getCountryIndia");
        return in;
    }
}
```

Pic from Eclipse Ide:



Country.xml file:

Code:

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<beans xmlns="http://www.springframework.org/schema/beans"
```

```
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
    xsi:schemaLocation="http://www.springframework.org/schema/beans
```

```
    http://www.springframework.org/schema/beans/spring-beans.xsd">
```

```
<bean id="in" class="com.cognizant.spring_learn.model.Country">
```

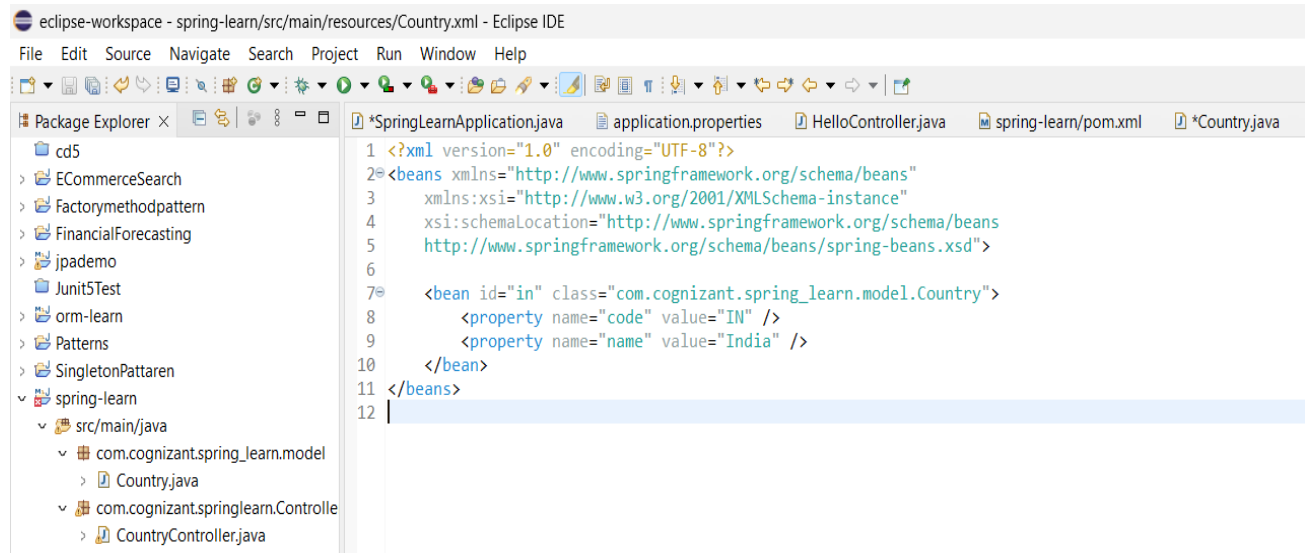
```
    <property name="code" value="IN" />
```

```
    <property name="name" value="India" />
```

</bean>

</beans>

Pic From Eclipse Ide:



After Running the application:

Eclipse ide Output:

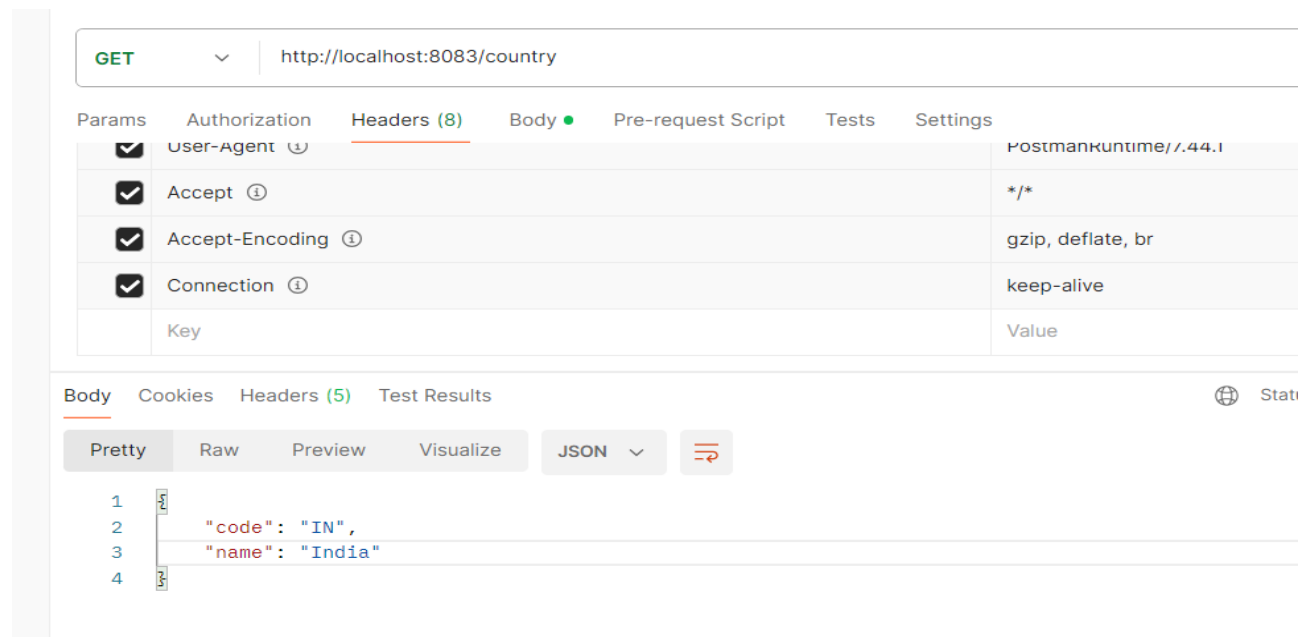
```
SpringLearnApplication [Java Application] C:\Users\91833\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.22.0.1.v20240426-1149\jre\bin\javaw.exe (12 Jul 2025, 12:34:30 pm) [pid: 16176]
2025-07-12T13:03:21.784+05:30 INFO 16176 --- [spring-learn] [ restartedMain] c.c.s.Controller.SpringLearnApplication : No active profile set, falling back to 1 default pro
2025-07-12T13:03:21.898+05:30 INFO 16176 --- [spring-learn] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8083 (http)
2025-07-12T13:03:21.899+05:30 INFO 16176 --- [spring-learn] [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-07-12T13:03:21.899+05:30 INFO 16176 --- [spring-learn] [ restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.42]
2025-07-12T13:03:21.911+05:30 INFO 16176 --- [spring-learn] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-07-12T13:03:21.911+05:30 INFO 16176 --- [spring-learn] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed
2025-07-12T13:03:21.945+05:30 INFO 16176 --- [spring-learn] [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729
2025-07-12T13:03:21.952+05:30 INFO 16176 --- [spring-learn] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8083 (http) with context path
2025-07-12T13:03:21.954+05:30 INFO 16176 --- [spring-learn] [ restartedMain] c.c.s.Controller.SpringLearnApplication : Started SpringLearnApplication in 0.188 seconds (pro
2025-07-12T13:03:21.955+05:30 INFO 16176 --- [spring-learn] [ restartedMain] .ConditionEvaluationDeltaLoggingListener : Condition evaluation unchanged
2025-07-12T13:05:09.632+05:30 INFO 16176 --- [spring-learn] [nio-8083-exec-2] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherSer
2025-07-12T13:05:09.633+05:30 INFO 16176 --- [spring-learn] [nio-8083-exec-2] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2025-07-12T13:05:09.634+05:30 INFO 16176 --- [spring-learn] [nio-8083-exec-2] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms
2025-07-12T13:05:09.636+05:30 INFO 16176 --- [spring-learn] [nio-8083-exec-2] c.c.s.Controller.CountryController : START getCountryIndia
2025-07-12T13:05:09.992+05:30 INFO 16176 --- [spring-learn] [nio-8083-exec-2] c.c.s.Controller.CountryController : END getCountryIndia
2025-07-12T13:06:22.855+05:30 INFO 16176 --- [spring-learn] [nio-8083-exec-5] c.c.s.Controller.CountryController : START getCountryIndia
2025-07-12T13:06:22.913+05:30 INFO 16176 --- [spring-learn] [nio-8083-exec-5] c.c.s.Controller.CountryController : END getCountryIndia
2025-07-12T13:06:56.568+05:30 INFO 16176 --- [spring-learn] [io-8083-exec-10] c.c.s.Controller.CountryController : START getCountryIndia
2025-07-12T13:06:56.602+05:30 INFO 16176 --- [spring-learn] [io-8083-exec-10] c.c.s.Controller.CountryController : END getCountryIndia
```

Output From Postman:

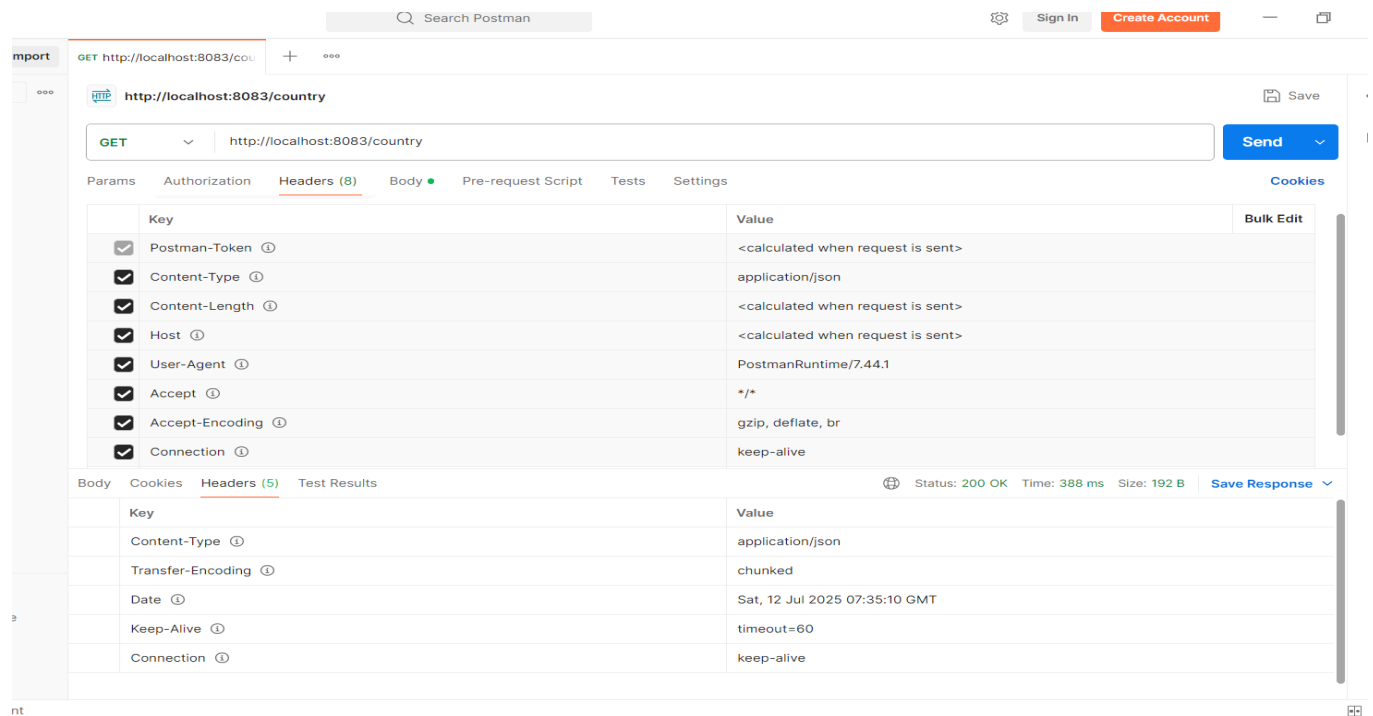
"code": "IN",

"name": "India"

Pic from Postman :

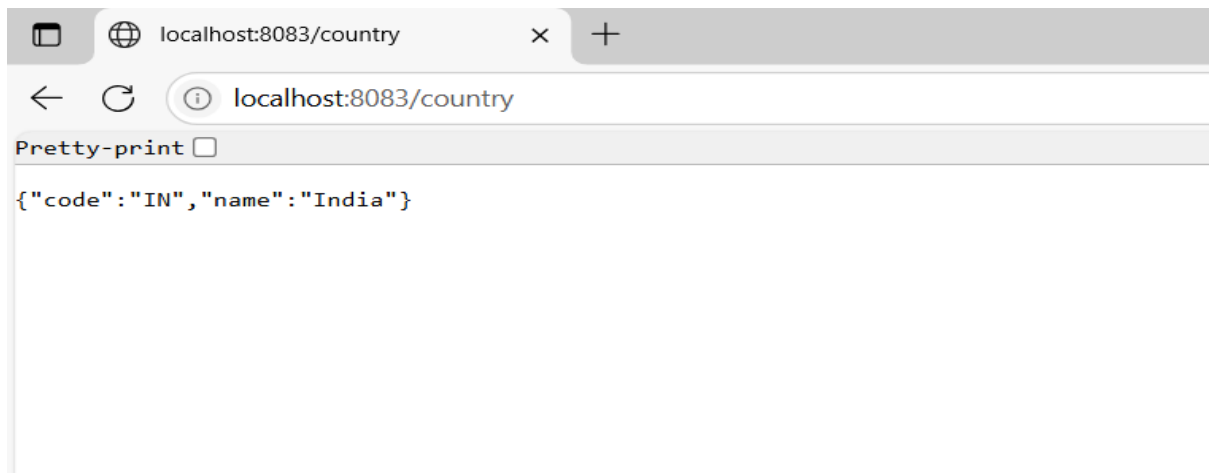


Headers From Postman:



Output From Browser:

```
{"code":"IN","name":"India"}
```



Headers From Browser:

