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:

```
🤤 eclipse-workspace - spring-learn/src/main/java/com/cognizant/spring_learn/model/Country.java - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
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□ Package Explorer × □ 🕏 🕽 🐷 🖁 □ 🖸 🖸 SpringLearnApplication.java
                                                                                      HelloController.java
                                                                                                           M spr
                                      package com.cognizant.spring_learn.model;
> 📂 ECommerceSearch
                                       2 public class Country {
                                             private String code;
> 📂 Factorymethodpattern
                                             private String name;
> 📂 FinancialForecasting
> 👺 jpademo
                                            public Country() {}
                                      6
  Junit5Test
> 📂 orm-learn
                                      80
                                             public Country(String code, String name) {
                                      9
                                                 this.code = code;
> 📂 Patterns
                                      10
                                                 this.name = name:
> 📂 SingletonPattaren
                                      11
v 👺 spring-learn
  13⊖
                                            public String getCode() {

w ## com.cognizant.spring_learn.model

                                      14
                                                 return code;
       > D Country.java
                                      15
    ∨ # com.cognizant.springlearn.Controlle 16
                                             public void setCode(String code) {

> Au CountryController.java

                                     18
                                                 this.code = code;
       > II HelloController.iava
                                     19
       SpringLearnApplication.java
                                      20
  21⊝
                                             public String getName() {
      static
                                     22
23
                                                 return name;
      templates
      application.properties
                                     25⊜
                                             public void setName(String name) {

☑ Country.xml

                                     26
                                                 this.name = name;

☑ date-format.xml

                                     27
  > # src/test/iava
                                     28 }
  > Mark JRE System Library [jre]
  > Maven Dependencies
  > 😂 src
```

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.spring framework.context.support.Class Path Xml Application Context. \\
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 <u>context</u> = new
ClassPathXmlApplicationContext("country.xml");
    Country in = (Country) context.getBean("in");
    LOGGER.info("END getCountryIndia");
    return in;
  }
}
```

Pic from Eclipse Ide:

```
🤤 eclipse-workspace - spring-learn/src/main/java/com/cognizant/springlearn/Controller/CountryController.java - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
🖺 Package Explorer 🗴 🕒 😩 🗽 🖇 📅 🗖 🔃 *SpringLearnApplication.java 🗎 application.properties 🔝 HelloController.java
                                                                                                        package com.cognizant.springlearn.Controller;
                                      20 import org.springframework.web.bind.annotation.RequestMapping;
⇒ B FCommerceSearch
                                      3 import org.springframework.web.bind.annotation.RestController;
> 📂 Factorymethodpattern
                                      4 import org.springframework.context.ApplicationContext;
> 📂 FinancialForecasting
                                      5 import org.springframework.context.support.ClassPathXmlApplicationContext;
> 👺 jpademo
                                     6 import com.cognizant.spring_learn.model.Country;
  Junit5Test
                                     7 import org.slf4j.Logger;
> 👺 orm-learn
                                     8 import org.slf4j.LoggerFactory;
> 📂 Patterns
                                     10 @RestController
> 📂 SingletonPattaren
                                     11 public class CountryController {

∨ ₩ spring-learn

  v 🕮 src/main/java
                                            private static final Logger LOGGER = LoggerFactory.getLogger(CountryController.class);

w ## com.cognizant.spring_learn.model

       > 

Country.java
                                     15⊖
                                            @RequestMapping("/country")
    v 🕭 com.cognizant.springlearn.Controlle
                                     16
                                            public Country getCountryIndia() {
                                                LOGGER.info("START getCountryIndia");
                                     17
      > 🕖 CountryController.java
                                                ApplicationContext context = new ClassPathXmlApplicationContext("country.xml");
                                    №18

→ HelloController.iava

                                                Country in = (Country) context.getBean("in");
                                    19
       > 

    SpringLearnApplication.java

                                                LOGGER.info("END getCountryIndia");
                                     20

→ B src/main/resources

                                     21
                                                return in:
      static
                                     22
      templates
                                     23 }
      application.properties

☑ Country.xml

      > # src/test/java
  > M JRE System Library [ire]
```

Country.xml file:

Code:

</bean>

</beans>

Pic From Eclipse Ide:

```
🤤 eclipse-workspace - spring-learn/src/main/resources/Country.xml - Eclipse IDE
File Edit Source Navigate Search Project Run Window Help
 Package Explorer 🗴 🖹 💲 🖟 🗂 🖟 SpringLearnApplication.java 🗎 application.properties 🖟 HelloController.java
                                                                                              *Country.java
                                  1 <?xml version="1.0" encoding="UTF-8"?>
                                  2⊖ <beans xmlns="http://www.springframework.org/schema/beans"
ECommerceSearch
                                        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
> 🔀 Factorymethodpattern
                                        xsi:schemaLocation="http://www.springframework.org/schema/beans
FinancialForecasting
                                        http://www.springframework.org/schema/beans/spring-beans.xsd">
> 📂 ipademo
 Junit5Test
                                        <bean id="in" class="com.cognizant.spring_learn.model.Country">
> 👺 orm-learn
                                  8
                                           property name="code" value="IN" />
                                           cproperty name="name" value="India" />
> 📂 Patterns
                                 10
                                        </bean>
> 📂 SingletonPattaren
                                 11 </beans>
v 🕮 src/main/java
    v # com.cognizant.spring_learn.model
      > 🛽 Country.java
    > 🕖 CountryController.java
```

After Running the application:

Eclipse ide Output:

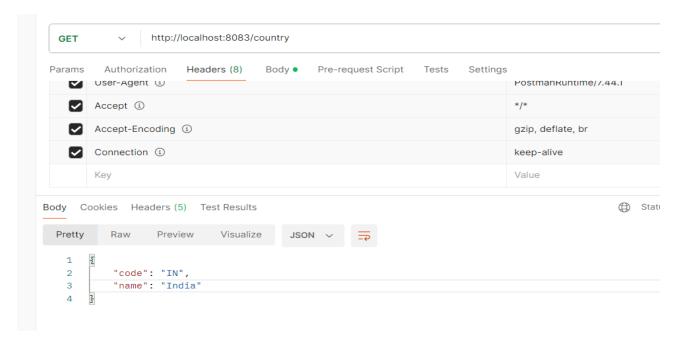
```
SpringLearnApplication [Java Application] C:\Users\91833\,p2\poo\plugins\org.eclipse.justi.openidk.hotspot.jre.full.win32.x86 64 22.01.v20240426-1149\jre\bin\javaw.exe (12 Jul 2025, 12:34:30 pm) [pid: 16176]
2025-07-12113:03:21.784+05:30 INFO 16176 --- [spring-learn] [ restartedMain] c.c.s.Controller.SpringlearnApplication : No active protile 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:

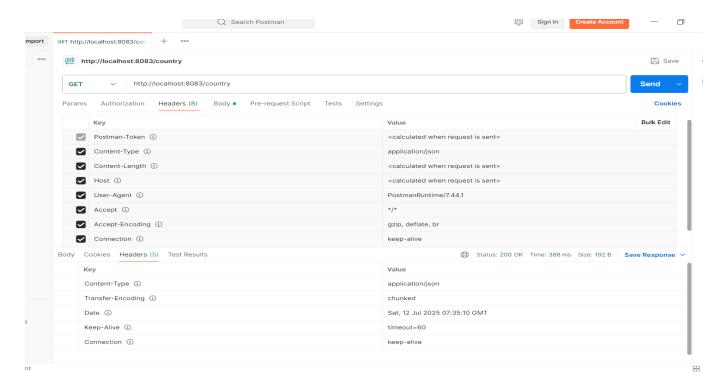
"code": "IN",

"name": "India"

Pic from Postman:

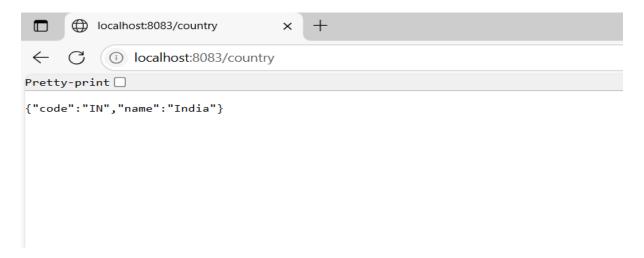


Headers From Postman:



Output From Browser:

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



Headers From Browser:

