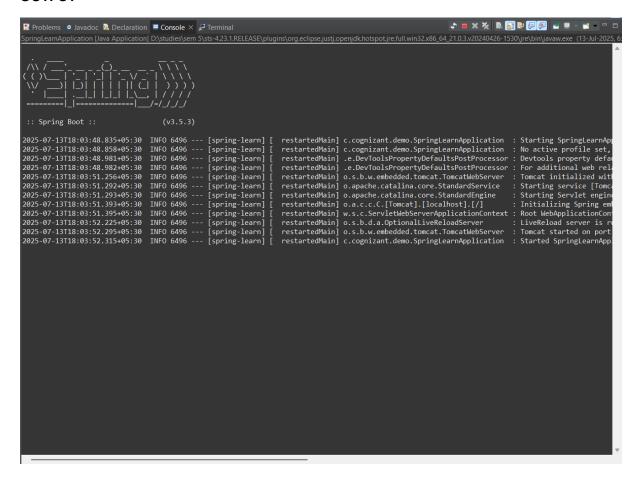
WEEK-4

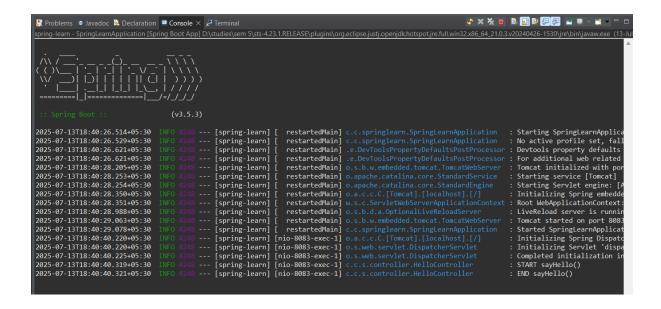
Create a Spring Web Project using Maven

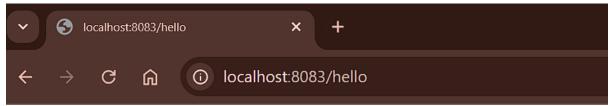


Spring Core – Load SimpleDateFormat from Spring Configuration XML

Hello World RESTful Web Service

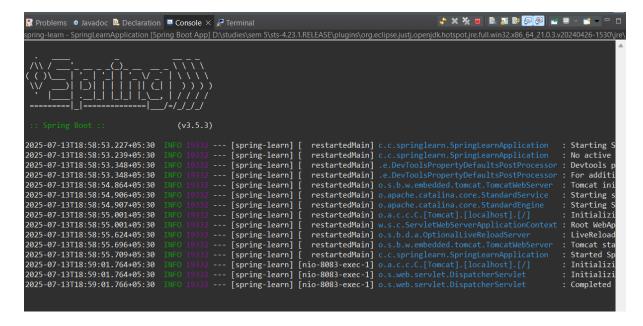
```
application.properties × D HelloController.java D SpringLearnApplication.java D spring-learn/pom.xml D spring.application.name=spring-learn 2 server.port=8083
```

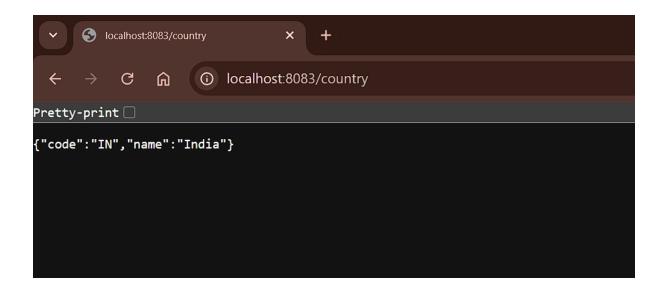




Hello World!!

REST - Country Web Service





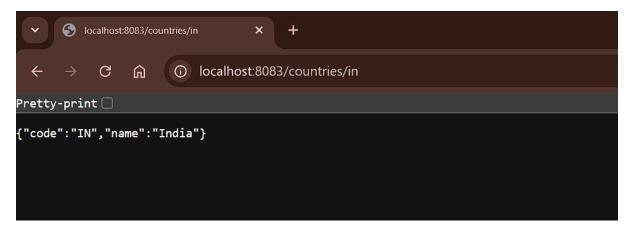
REST - Get country based on country code

```
☑ CountryController.java

CountryService.java
             xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
               http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd">
  70
 80
 90
 100
                            property name="code" value="IN"/>
 value="India"/>
                            <property name="code" value="US"/>
<property name="name" value="United States"/>
                            🗕 🗖 🔐 Pro
☑ country.xml ☑ Country.java × ☑ CountryController.java
                                                        CountryService.java
 1 package com.cognizant.springlearn.model;
 public class Country {
private String code;
private String 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; }
13 }
14 |
                                                                                                                              2025
                                                                                                                              2025
                                                                                                                              2025
                1 package com.cognizant.springlearn.controller;
  3● import com.cognizant.springlearn.model.Country;
 4 import com.cognizant.springlearn.service.CountryService;
5 import org.springframework.beans.factory.annotation.Autowired;
 6 import org.springframework.web.bind.annotation.*;
    public class CountryController {
         public Country getCountry(@PathVariable String code) {
18 }
```

```
Country.java
                                                                                         CountryController.java
                                                                                                                                                           package com.cognizant.springlearn.service;
        3● import com.cognizant.springlearn.model.Country;
      4 import org.springframework.context.ApplicationContext;
5 import org.springframework.context.support.ClassPathXmlApplicationContext;
      6 import org.springframework.stereotype.Service;
      8 import java.util.List;
   13●
                                      ApplicationContext context = new ClassPathXmlApplicationContext("country.xml");
<u>14</u>
<u>15</u>
                                      List<Country> countryList = (List<Country>) context.getBean("countryList");
                                      return countryList.stream()
                                                              .filter(c -> c.getCode().equalsIgnoreCase(code))
                                                                .findFirst()
                                                                                                                                                                                                                                                           \begin{tabular}{ll} $\Bbb R$ Problems & $m{a}$ Javadoc & Declaration & Console $\times$ & Terminal \\ \end{tabular}
                        restartedMain] c.c.springlearn.SpringlearnApplication restartedMain] c.c.springlearn.SpringlearnApplication restartedMain] e. DevToolsPropertyDefaultsPostProcessor restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer restartedMain] o.apache.catalina.core.StandardService restartedMain] o.apache.catalina.core.StandardService restartedMain] o.apache.catalina.core.StandardEngine restartedMain] o.a.c.c.c.[Tomcat].[localhost].[/] restartedMain] o.s.b.d.a.OptionalLiveReloadServer restartedMain] o.s.b.d.a.OptionalLiveReloadServer restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer restartedMain] o.s.pringlearn.SpringlearnApplication iio-8083-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] io-8083-exec-1] o.s.web.servlet.DispatcherServlet
                                                                                                                                                                                                                                                                      : Starting SpringLearnApplication
: No active profile set, falling b
: Devtools property defaults activ
: For additional web related loggi
: Tomcat initialized with port 808
: Starting service [Tomcat]
: Starting Servlet engine: [Apache
: Initializing Spring embedded Web
: Root WebApplicationContext: init
LiveReload server is running on
: Tomcat started on port 8083 (htt
: Started SpringLearnApplication is
: Initializing Spring DispatcherSe
: Initializing Servlet 'dispatcher
: Completed initialization in 2 ms
                                                                                                    [spring-learn] [
[spring-learn] [
[spring-learn] [
[spring-learn] [
[spring-learn] [
[spring-learn] [
2025-07-13T19:07:30.790+05:30
2025-07-13T19:07:30.802+05:30
2025-07-13T19:07:30.893+05:30
2025-07-13T19:07:30.893+05:30
2025-07-13T19:07:32.445+05:30
2025-07-13T19:07:32.487+05:30
2025-07-13T19:07:32.488+05:30
                                                                                                    [spring-learn]
[spring-learn]
2025-07-13T19:07:32.580+05:30
2025-07-13T19:07:32.580+05:30
2025-07-13T19:07:33.195+05:30
                                                                                                    [spring-learn]
[spring-learn]
[spring-learn]
[spring-learn]
2025-07-13T19:07:33.263+05:30
2025-07-13T19:07:33.278+05:30
2025-07-13T19:07:38.697+05:30
2025-07-13T19:07:38.697+05:30
                                                                                                                                     [ restartedMain]
[nio-8083-exec-1]
[nio-8083-exec-1]
2025-07-13T19:07:38.700+05:30
```

Output



Create authentication service that returns JWT

