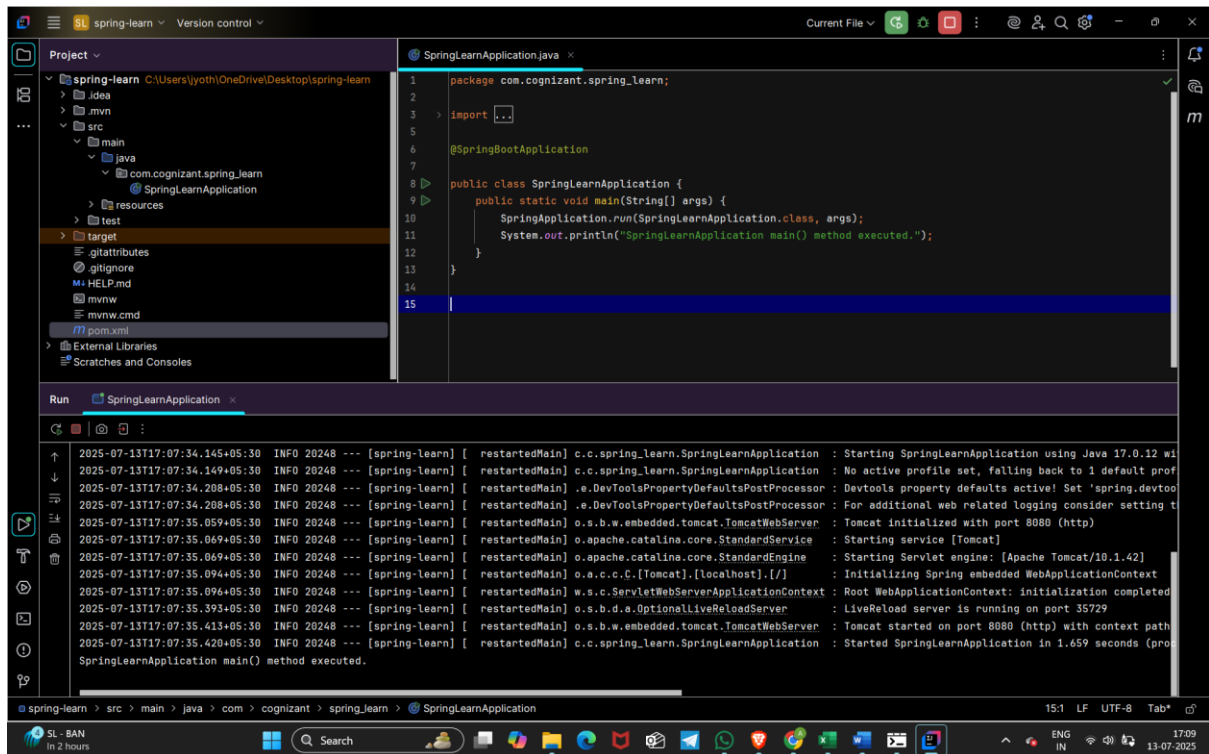


## WEEK 4 Hands on 1 output:



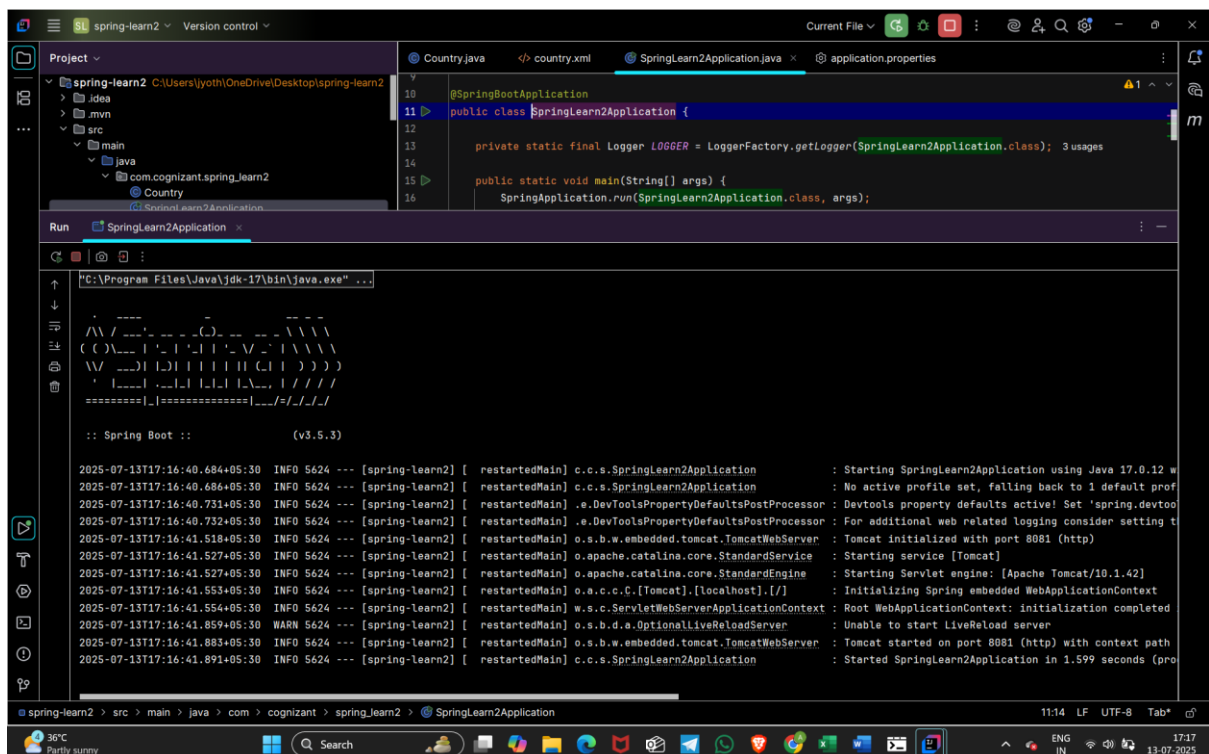
The screenshot shows an IDE with the project 'spring-learn' open. The file 'SpringLearnApplication.java' is selected, showing the following code:

```
1 package com.cognizant.spring_learn;
2
3 import ...
4
5 @SpringBootApplication
6
7 public class SpringLearnApplication {
8     public static void main(String[] args) {
9         SpringApplication.run(SpringLearnApplication.class, args);
10        System.out.println("SpringLearnApplication main() method executed.");
11    }
12 }
13
14
15
```

The Run console shows the following output:

```
2025-07-13T17:07:34.145+05:30 INFO 20248 --- [spring-learn] [ restartedMain] c.c.spring_learn.SpringLearnApplication : Starting SpringLearnApplication using Java 17.0.12 w
2025-07-13T17:07:34.149+05:30 INFO 20248 --- [spring-learn] [ restartedMain] c.c.spring_learn.SpringLearnApplication : No active profile set, falling back to 1 default prof
2025-07-13T17:07:34.208+05:30 INFO 20248 --- [spring-learn] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : Devtools property defaults active! Set 'spring.devtoo
2025-07-13T17:07:34.208+05:30 INFO 20248 --- [spring-learn] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting t
2025-07-13T17:07:35.059+05:30 INFO 20248 --- [spring-learn] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8080 (http)
2025-07-13T17:07:35.069+05:30 INFO 20248 --- [spring-learn] [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-07-13T17:07:35.069+05:30 INFO 20248 --- [spring-learn] [ restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.42]
2025-07-13T17:07:35.094+05:30 INFO 20248 --- [spring-learn] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-07-13T17:07:35.094+05:30 INFO 20248 --- [spring-learn] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed
2025-07-13T17:07:35.393+05:30 INFO 20248 --- [spring-learn] [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729
2025-07-13T17:07:35.413+05:30 INFO 20248 --- [spring-learn] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8080 (http) with context path
2025-07-13T17:07:35.420+05:30 INFO 20248 --- [spring-learn] [ restartedMain] c.c.spring_learn.SpringLearnApplication : Started SpringLearnApplication in 1.659 seconds (pro
SpringLearnApplication main() method executed.
```

## WEEK 4 hands on 2 output:

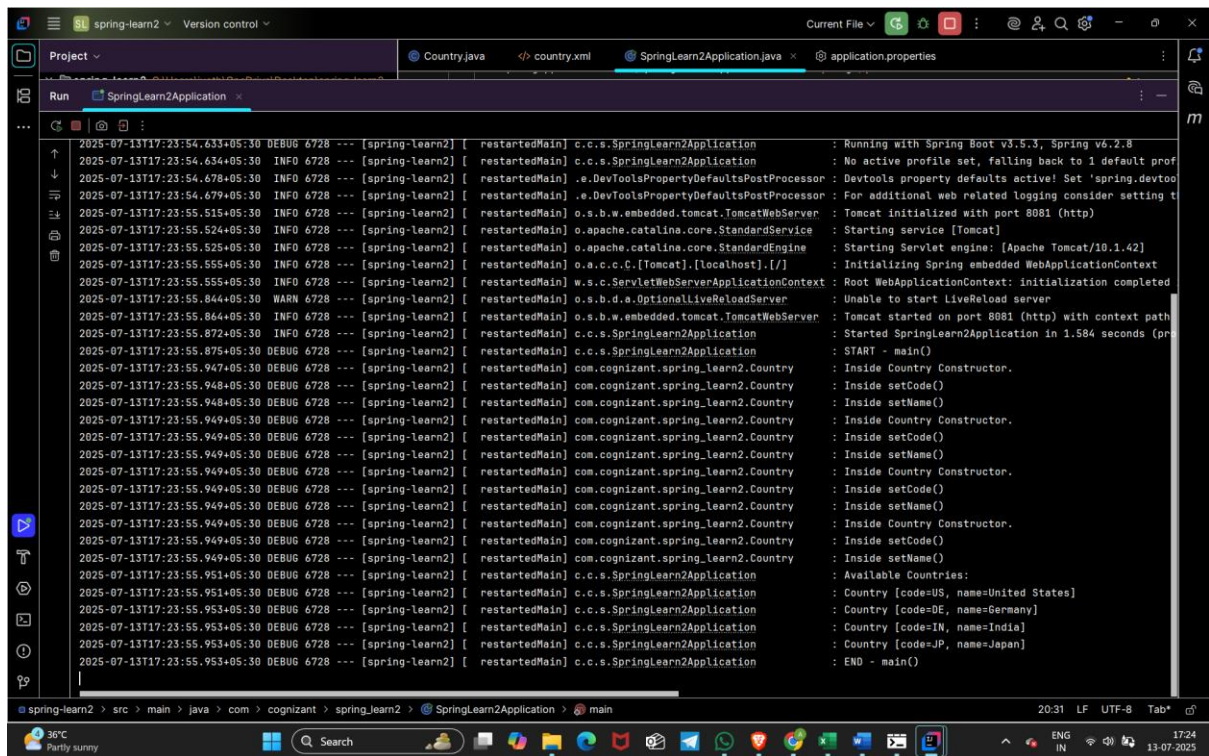


The screenshot shows an IDE with the project 'spring-learn2' open. The file 'SpringLearn2Application.java' is selected, showing the following code:

```
10 @SpringBootApplication
11 public class SpringLearn2Application {
12
13     private static final Logger LOGGERS = LoggerFactory.getLogger(SpringLearn2Application.class); // 3 usages
14
15     public static void main(String[] args) {
16         SpringApplication.run(SpringLearn2Application.class, args);
17     }
18 }
19
```

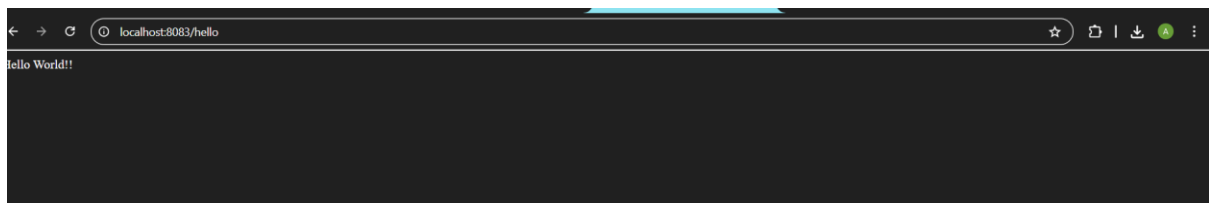
The Run console shows the following output:

```
2025-07-13T17:16:40.684+05:30 INFO 5624 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : Starting SpringLearn2Application using Java 17.0.12 w
2025-07-13T17:16:40.684+05:30 INFO 5624 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : No active profile set, falling back to 1 default prof
2025-07-13T17:16:40.731+05:30 INFO 5624 --- [spring-learn2] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : Devtools property defaults active! Set 'spring.devtoo
2025-07-13T17:16:40.732+05:30 INFO 5624 --- [spring-learn2] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting t
2025-07-13T17:16:41.518+05:30 INFO 5624 --- [spring-learn2] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8081 (http)
2025-07-13T17:16:41.527+05:30 INFO 5624 --- [spring-learn2] [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-07-13T17:16:41.527+05:30 INFO 5624 --- [spring-learn2] [ restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.42]
2025-07-13T17:16:41.553+05:30 INFO 5624 --- [spring-learn2] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-07-13T17:16:41.554+05:30 INFO 5624 --- [spring-learn2] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed
2025-07-13T17:16:41.859+05:30 WARN 5624 --- [spring-learn2] [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : Unable to start LiveReload server
2025-07-13T17:16:41.883+05:30 INFO 5624 --- [spring-learn2] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8081 (http) with context path
2025-07-13T17:16:41.891+05:30 INFO 5624 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : Started SpringLearn2Application in 1.599 seconds (pro
```



```
2025-07-13T17:23:54.633+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : Running with Spring Boot v3.5.3, Spring v6.2.8
2025-07-13T17:23:54.634+05:30 INFO 6728 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : No active profile set, falling back to 1 default profile
2025-07-13T17:23:54.678+05:30 INFO 6728 --- [spring-learn2] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : DevTools property defaults active! Set 'spring.devtools.restart.enabled' to 'true' to enable restart
2025-07-13T17:23:54.679+05:30 INFO 6728 --- [spring-learn2] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting the 'logging.level.org.springframework.boot.web' property
2025-07-13T17:23:55.515+05:30 INFO 6728 --- [spring-learn2] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8081 (http)
2025-07-13T17:23:55.524+05:30 INFO 6728 --- [spring-learn2] [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-07-13T17:23:55.525+05:30 INFO 6728 --- [spring-learn2] [ restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.42]
2025-07-13T17:23:55.555+05:30 INFO 6728 --- [spring-learn2] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-07-13T17:23:55.555+05:30 INFO 6728 --- [spring-learn2] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: Initialization completed
2025-07-13T17:23:55.844+05:30 WARN 6728 --- [spring-learn2] [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : Unable to start LiveReload server
2025-07-13T17:23:55.872+05:30 INFO 6728 --- [spring-learn2] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8081 (http) with context path ''
2025-07-13T17:23:55.872+05:30 INFO 6728 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : Started SpringLearn2Application in 1.584 seconds (process running for 1.607)
2025-07-13T17:23:55.875+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : START - main()
2025-07-13T17:23:55.947+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] com.cognizant.spring_learn2.Country : Inside Country Constructor.
2025-07-13T17:23:55.948+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] com.cognizant.spring_learn2.Country : Inside setCode()
2025-07-13T17:23:55.948+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] com.cognizant.spring_learn2.Country : Inside setName()
2025-07-13T17:23:55.949+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] com.cognizant.spring_learn2.Country : Inside Country Constructor.
2025-07-13T17:23:55.949+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] com.cognizant.spring_learn2.Country : Inside setCode()
2025-07-13T17:23:55.949+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] com.cognizant.spring_learn2.Country : Inside setName()
2025-07-13T17:23:55.949+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] com.cognizant.spring_learn2.Country : Inside Country Constructor.
2025-07-13T17:23:55.949+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] com.cognizant.spring_learn2.Country : Inside setCode()
2025-07-13T17:23:55.949+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] com.cognizant.spring_learn2.Country : Inside setName()
2025-07-13T17:23:55.949+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] com.cognizant.spring_learn2.Country : Inside Country Constructor.
2025-07-13T17:23:55.949+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] com.cognizant.spring_learn2.Country : Inside setCode()
2025-07-13T17:23:55.949+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] com.cognizant.spring_learn2.Country : Inside setName()
2025-07-13T17:23:55.951+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : Available Countries:
2025-07-13T17:23:55.951+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : Country [code=US, name=United States]
2025-07-13T17:23:55.953+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : Country [code=DE, name=Germany]
2025-07-13T17:23:55.953+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : Country [code=IN, name=India]
2025-07-13T17:23:55.953+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : Country [code=JP, name=Japan]
2025-07-13T17:23:55.953+05:30 DEBUG 6728 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : END - main()
```

## WEEK 4 Hands on 3:



The screenshot shows an IDE with the following components:

- Project View:** Shows the project structure for 'spring-learn2' with folders like 'main', 'java', and 'controller'.
- Editor:** Displays the 'SpringLearn2Application.java' file. The code includes a 'public static void displayAllCountries()' method with a 'LOGGER.debug()' call.
- Run Console:** Shows the output of the application. It starts with a Spring Boot logo and version (v3.5.3), followed by logs indicating the application is starting on port 8083. The logs show the initialization of the Spring context and the Tomcat web server.

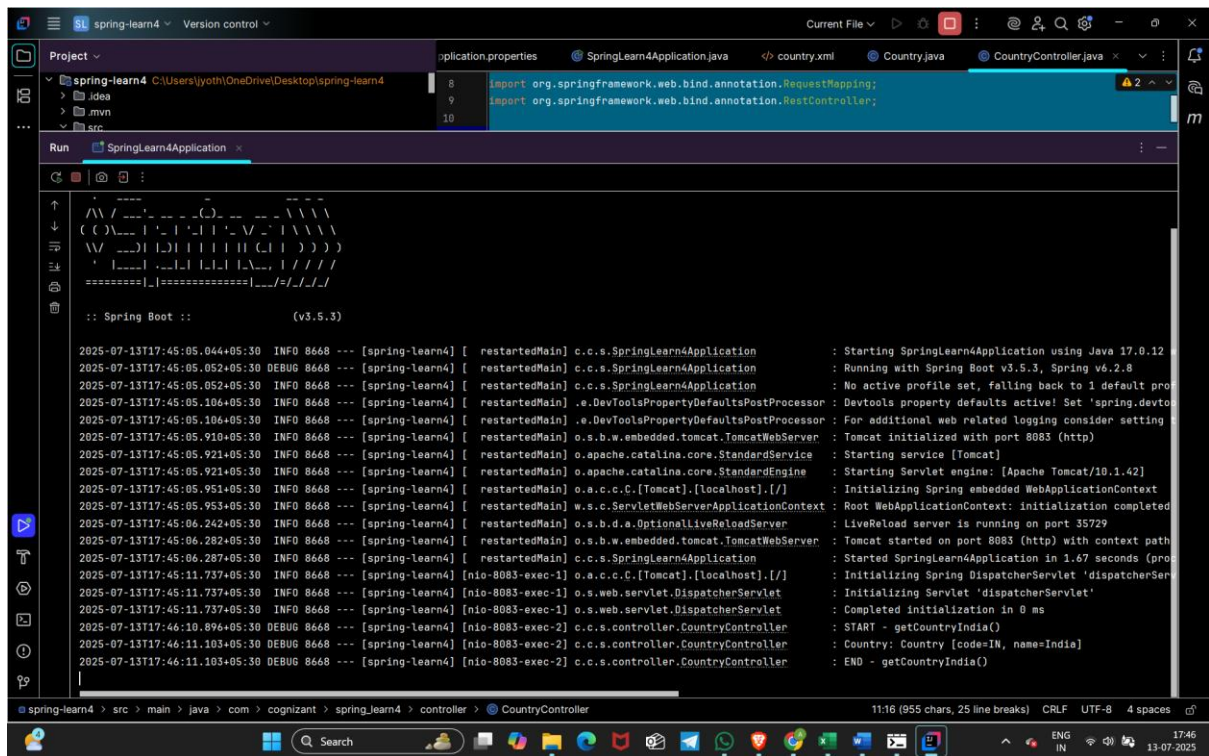
```
public class SpringLearn2Application {
    public static void displayAllCountries() { 1 usage
        LOGGER.debug("{} ", country);
    }
}
```

```
2025-07-13T17:30:02.566+05:30 INFO 3336 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : Starting SpringLearn2Application using Java 17.0.12
2025-07-13T17:30:02.568+05:30 INFO 3336 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : No active profile set, falling back to 1 default pro
2025-07-13T17:30:02.614+05:30 INFO 3336 --- [spring-learn2] [ restartedMain] e.DevToolsPropertyDefaultsPostProcessor : DevTools property defaults active! Set 'spring.devto
2025-07-13T17:30:02.614+05:30 INFO 3336 --- [spring-learn2] [ restartedMain] e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting
2025-07-13T17:30:03.495+05:30 INFO 3336 --- [spring-learn2] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8083 (http)
2025-07-13T17:30:03.508+05:30 INFO 3336 --- [spring-learn2] [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-07-13T17:30:03.508+05:30 INFO 3336 --- [spring-learn2] [ restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.42]
2025-07-13T17:30:03.540+05:30 INFO 3336 --- [spring-learn2] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-07-13T17:30:03.541+05:30 INFO 3336 --- [spring-learn2] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed
2025-07-13T17:30:03.870+05:30 WARN 3336 --- [spring-learn2] [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : Unable to start LiveReload server
2025-07-13T17:30:03.904+05:30 INFO 3336 --- [spring-learn2] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8083 (http) with context path
2025-07-13T17:30:03.914+05:30 INFO 3336 --- [spring-learn2] [ restartedMain] c.c.s.SpringLearn2Application : Started SpringLearn2Application in 1.712 seconds (pr
2025-07-13T17:30:21.755+05:30 INFO 3336 --- [spring-learn2] [nio-8083-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherSer
2025-07-13T17:30:21.755+05:30 INFO 3336 --- [spring-learn2] [nio-8083-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2025-07-13T17:30:21.756+05:30 INFO 3336 --- [spring-learn2] [nio-8083-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms
```

WEEK 4 Hands on 4:

The screenshot shows a web browser with the address bar set to 'localhost:8083/country'. The page content displays a JSON response:

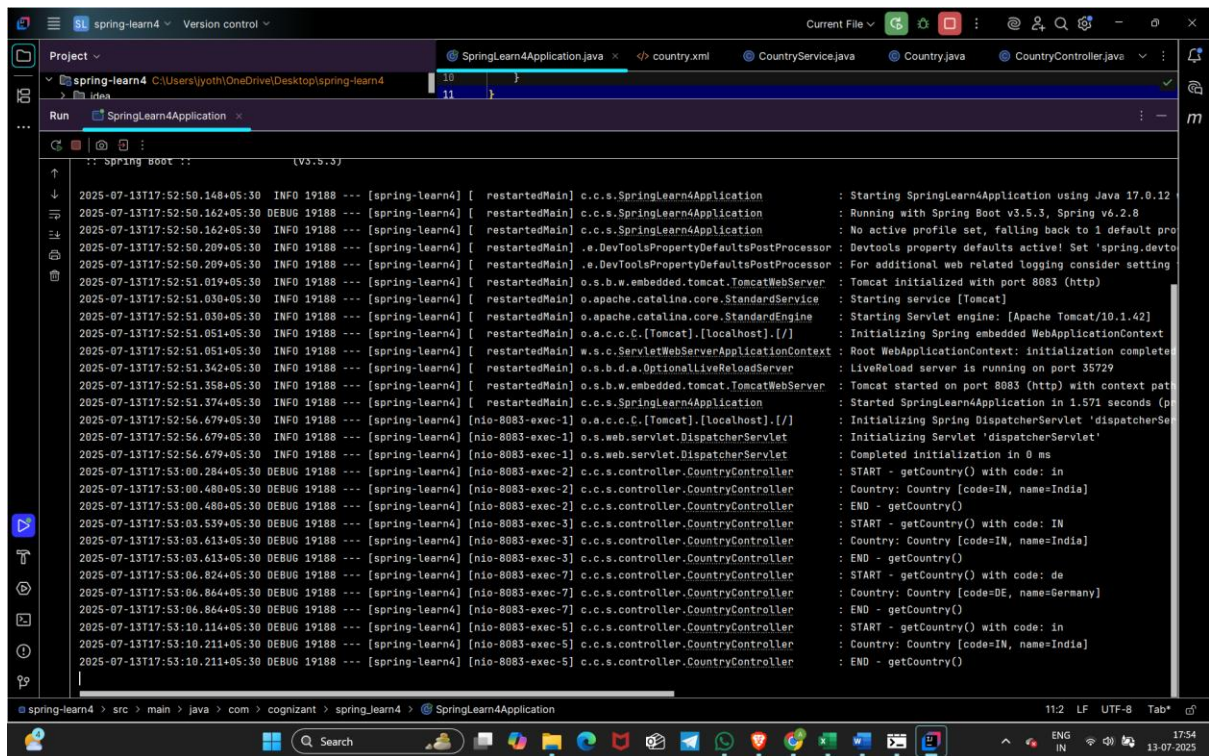
```
{"code": "IN", "name": "India"}
```



## WEEK 4 Hands on 5

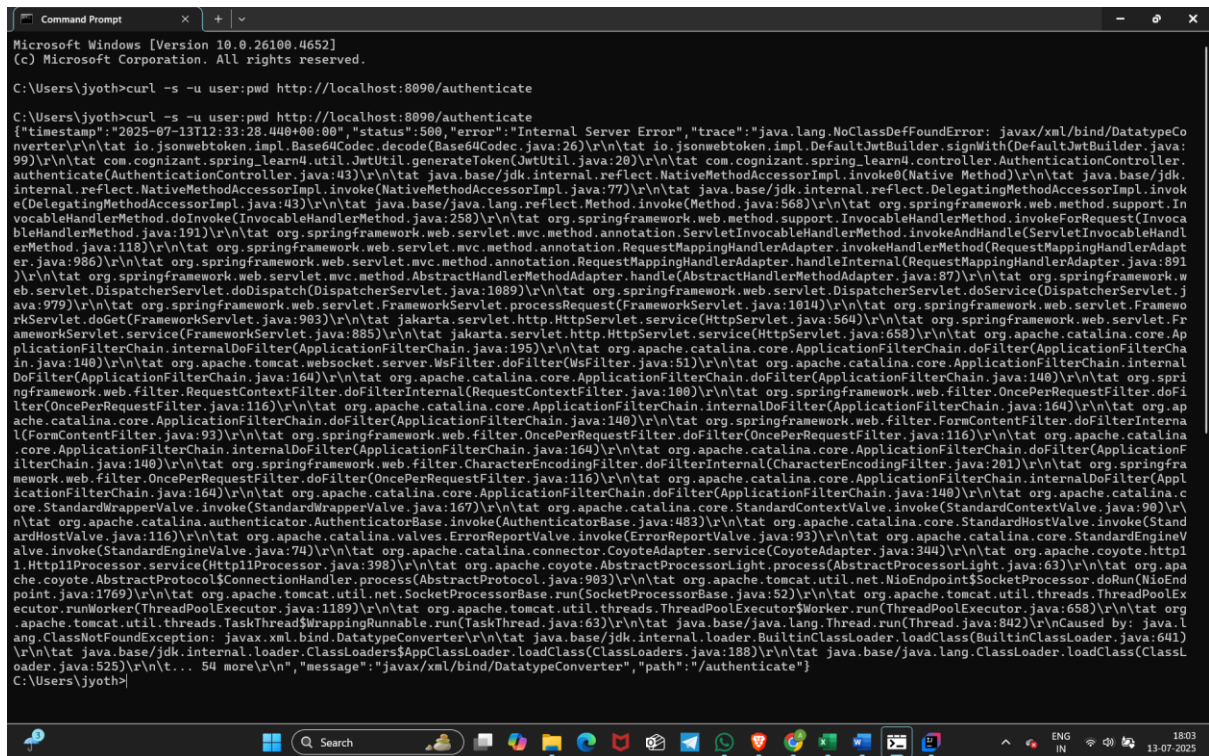






```
2025-07-13T17:52:50.148+05:30 INFO 19188 --- [spring-learn4] [ restartedMain] c.c.s.SpringLearn4Application : Starting SpringLearn4Application using Java 17.0.12
2025-07-13T17:52:50.162+05:30 DEBUG 19188 --- [spring-learn4] [ restartedMain] c.c.s.SpringLearn4Application : Running with Spring Boot v3.5.3, Spring v6.2.8
2025-07-13T17:52:50.162+05:30 INFO 19188 --- [spring-learn4] [ restartedMain] c.c.s.SpringLearn4Application : No active profile set, falling back to 1 default profile
2025-07-13T17:52:50.209+05:30 INFO 19188 --- [spring-learn4] [ restartedMain] o.e.DevToolsPropertyDefaultsPostProcessor : DevTools property defaults active! Set 'spring.devtools.restart.enabled=false' to disable the restart devtools.
2025-07-13T17:52:50.209+05:30 INFO 19188 --- [spring-learn4] [ restartedMain] o.e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting 'logging.level.org.springframework.boot.autoconfigure.web=debug'
2025-07-13T17:52:51.019+05:30 INFO 19188 --- [spring-learn4] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8080 (http)
2025-07-13T17:52:51.030+05:30 INFO 19188 --- [spring-learn4] [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-07-13T17:52:51.030+05:30 INFO 19188 --- [spring-learn4] [ restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.42]
2025-07-13T17:52:51.051+05:30 INFO 19188 --- [spring-learn4] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-07-13T17:52:51.051+05:30 INFO 19188 --- [spring-learn4] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed
2025-07-13T17:52:51.342+05:30 INFO 19188 --- [spring-learn4] [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729
2025-07-13T17:52:51.374+05:30 INFO 19188 --- [spring-learn4] [ restartedMain] c.c.s.SpringLearn4Application : Tomcat started on port 8080 (http) with context path '/'
2025-07-13T17:52:51.374+05:30 INFO 19188 --- [spring-learn4] [ restartedMain] c.c.s.SpringLearn4Application : Started SpringLearn4Application in 1.571 seconds (process running for 1.601 seconds)
2025-07-13T17:52:56.679+05:30 INFO 19188 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2025-07-13T17:52:56.679+05:30 INFO 19188 --- [spring-learn4] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2025-07-13T17:52:56.679+05:30 INFO 19188 --- [spring-learn4] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 0 ms
2025-07-13T17:53:00.284+05:30 DEBUG 19188 --- [spring-learn4] [nio-8080-exec-2] c.c.s.controller.CountryController : START - getCountry() with code: in
2025-07-13T17:53:00.480+05:30 DEBUG 19188 --- [spring-learn4] [nio-8080-exec-2] c.c.s.controller.CountryController : Country: Country [code=IN, name=India]
2025-07-13T17:53:00.480+05:30 DEBUG 19188 --- [spring-learn4] [nio-8080-exec-2] c.c.s.controller.CountryController : END - getCountry()
2025-07-13T17:53:03.539+05:30 DEBUG 19188 --- [spring-learn4] [nio-8080-exec-3] c.c.s.controller.CountryController : START - getCountry() with code: IN
2025-07-13T17:53:03.613+05:30 DEBUG 19188 --- [spring-learn4] [nio-8080-exec-3] c.c.s.controller.CountryController : Country: Country [code=IN, name=India]
2025-07-13T17:53:03.613+05:30 DEBUG 19188 --- [spring-learn4] [nio-8080-exec-3] c.c.s.controller.CountryController : END - getCountry()
2025-07-13T17:53:06.824+05:30 DEBUG 19188 --- [spring-learn4] [nio-8080-exec-7] c.c.s.controller.CountryController : START - getCountry() with code: de
2025-07-13T17:53:06.864+05:30 DEBUG 19188 --- [spring-learn4] [nio-8080-exec-7] c.c.s.controller.CountryController : Country: Country [code=DE, name=Germany]
2025-07-13T17:53:06.864+05:30 DEBUG 19188 --- [spring-learn4] [nio-8080-exec-7] c.c.s.controller.CountryController : END - getCountry()
2025-07-13T17:53:10.114+05:30 DEBUG 19188 --- [spring-learn4] [nio-8080-exec-5] c.c.s.controller.CountryController : START - getCountry() with code: in
2025-07-13T17:53:10.211+05:30 DEBUG 19188 --- [spring-learn4] [nio-8080-exec-5] c.c.s.controller.CountryController : Country: Country [code=IN, name=India]
2025-07-13T17:53:10.211+05:30 DEBUG 19188 --- [spring-learn4] [nio-8080-exec-5] c.c.s.controller.CountryController : END - getCountry()
```

WEEK 4 hands on jwt output:



```
Microsoft Windows [Version 10.0.26100.4652]
(c) Microsoft Corporation. All rights reserved.

C:\Users\jyoth>curl -s -u user:pwd http://localhost:8090/authenticate

C:\Users\jyoth>curl -s -u user:pwd http://localhost:8090/authenticate
{"timestamp": "2025-07-13T17:53:28.409+05:00", "status": 500, "error": "Internal Server Error", "trace": "java.lang.NoClassDefFoundError: javax.xml/bind/DatatypeConverter\r\n\tat io.jsonwebtoken.impl.Base64Codec.decode(Base64Codec.java:26)\r\n\tat io.jsonwebtoken.impl.DefaultJwtBuilder.sign(DefaultJwtBuilder.java:99)\r\n\tat com.cognizant.spring_learn4.util.JwtUtil.generateToken(JwtUtil.java:28)\r\n\tat com.cognizant.spring_learn4.controller.AuthenticationController.authenticate(AuthenticationController.java:43)\r\n\tat java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)\r\n\tat java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:77)\r\n\tat java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)\r\n\tat java.base/java.lang.reflect.Method.invoke(Method.java:568)\r\n\tat org.springframework.web.method.support.InvocableHandlerMethod.doInvoke(InvocableHandlerMethod.java:258)\r\n\tat org.springframework.web.method.support.InvocableHandlerMethod.invokeForRequest(InvocableHandlerMethod.java:191)\r\n\tat org.springframework.web.servlet.mvc.method.annotation.ServletInvocableHandlerMethod.invokeAndHandle(ServletInvocableHandlerMethod.java:118)\r\n\tat org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.invokeHandlerMethod(RequestMappingHandlerAdapter.java:986)\r\n\tat org.springframework.web.servlet.mvc.method.annotation.RequestMappingHandlerAdapter.handleInternal(RequestMappingHandlerAdapter.java:891)\r\n\tat org.springframework.web.servlet.mvc.method.AbstractHandlerMethodAdapter.handle(AbstractHandlerMethodAdapter.java:87)\r\n\tat org.springframework.web.servlet.DispatcherServlet.doDispatch(DispatcherServlet.java:1089)\r\n\tat org.springframework.web.servlet.DispatcherServlet.doService(DispatcherServlet.java:979)\r\n\tat org.springframework.web.servlet.FrameworkServlet.processRequest(FrameworkServlet.java:1014)\r\n\tat org.springframework.web.servlet.FrameworkServlet.doGet(FrameworkServlet.java:983)\r\n\tat jakarta.servlet.http.HttpServlet.service(HttpServlet.java:564)\r\n\tat org.springframework.web.servlet.FrameworkServlet.service(FrameworkServlet.java:885)\r\n\tat jakarta.servlet.http.HttpServlet.service(HttpServlet.java:658)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:195)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:148)\r\n\tat org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:51)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:164)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:148)\r\n\tat org.springframework.web.filter.RequestContextFilter.doFilterInternal(RequestContextFilter.java:100)\r\n\tat org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:116)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:164)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:148)\r\n\tat org.springframework.web.filter.CharacterEncodingFilter.doFilterInternal(CharacterEncodingFilter.java:201)\r\n\tat org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:116)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:164)\r\n\tat org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:148)\r\n\tat org.apache.catalina.core.StandardWrapperValve.invoke(StandardWrapperValve.java:167)\r\n\tat org.apache.catalina.core.StandardContextValve.invoke(StandardContextValve.java:90)\r\n\tat org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:483)\r\n\tat org.apache.catalina.core.StandardHostValve.invoke(StandardHostValve.java:116)\r\n\tat org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:93)\r\n\tat org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:74)\r\n\tat org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:344)\r\n\tat org.apache.coyote.http11.HttpProcessor.service(HttpProcessor.java:398)\r\n\tat org.apache.coyote.AbstractProtocol$AbstractProtocolHandler.process(AbstractProtocol.java:903)\r\n\tat org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1769)\r\n\tat org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:52)\r\n\tat org.apache.tomcat.util.threads.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1189)\r\n\tat org.apache.tomcat.util.threads.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:658)\r\n\tat org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:63)\r\n\tat java.base/java.lang.Thread.run(Thread.java:842)\r\nCaused by: java.lang.ClassNotFoundException: javax.xml.bind.DatatypeConverter\r\n\tat java.base/jdk.internal.loader.ClassLoaders$AppClassLoader.loadClass(ClassLoaders.java:188)\r\n\tat java.base/java.lang.ClassLoader.loadClass(ClassLoader.java:525)\r\n\tat ... 54 more\r\n", "message": "javax.xml/bind/DatatypeConverter", "path": "/authenticate"}

C:\Users\jyoth>
```

