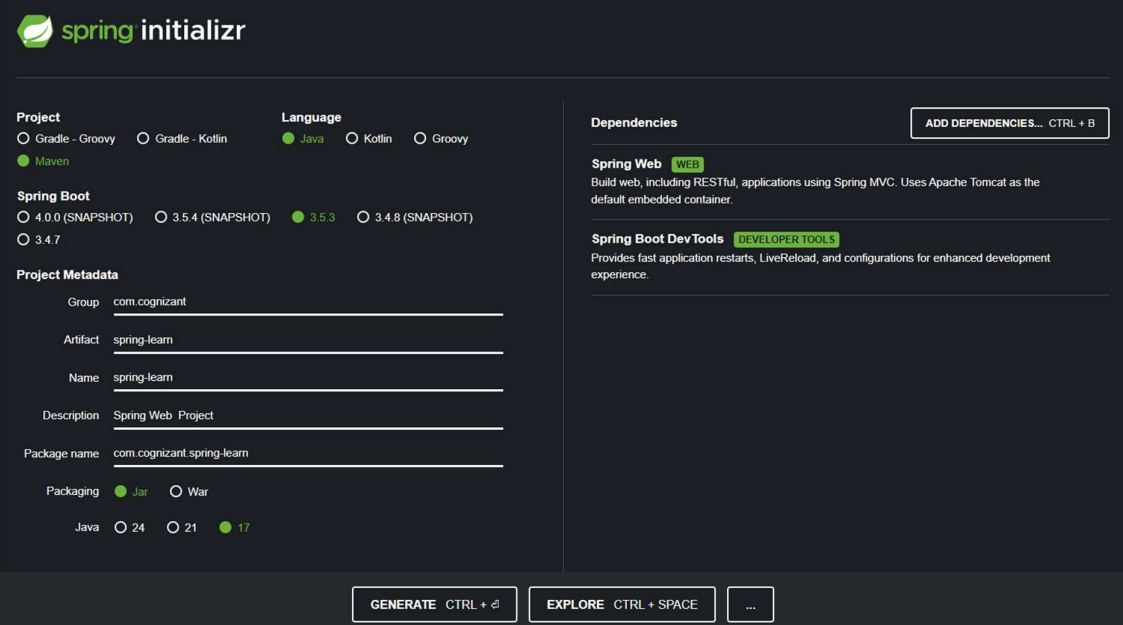


# Create a Spring Web Project using Maven

STEP 01:

Created required maven project from spring initializr



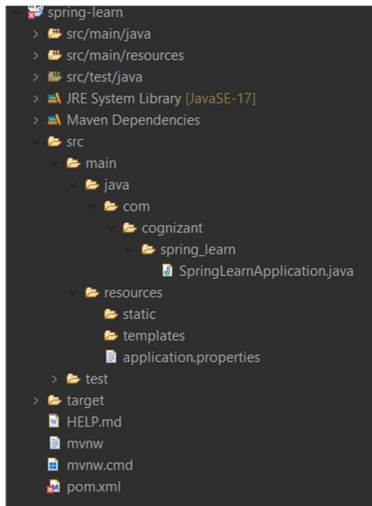
The image shows the Spring Initializr web application interface. The header features the Spring logo and the text "spring initializr". The main content area is divided into several sections:

- Project:** Includes radio buttons for "Gradle - Groovy", "Gradle - Kotlin", "Java" (selected), "Kotlin", and "Groovy".
- Spring Boot:** Includes radio buttons for "4.0.0 (SNAPSHOT)", "3.5.4 (SNAPSHOT)", "3.5.3" (selected), and "3.4.8 (SNAPSHOT)". There is also a "3.4.7" option.
- Project Metadata:** Includes input fields for "Group" (com.cognizant), "Artifact" (spring-learn), "Name" (spring-learn), "Description" (Spring Web Project), and "Package name" (com.cognizant.spring-learn).
- Packaging:** Includes radio buttons for "Jar" (selected) and "War".
- Java:** Includes radio buttons for "24", "21", and "17" (selected).
- Dependencies:** Includes a button "ADD DEPENDENCIES... CTRL + B". Below this, there are two sections:
  - Spring Web:** Labeled "WEB", with a description: "Build web, including RESTful, applications using Spring MVC. Uses Apache Tomcat as the default embedded container."
  - Spring Boot DevTools:** Labeled "DEVELOPER TOOLS", with a description: "Provides fast application restarts, LiveReload, and configurations for enhanced development experience."

At the bottom, there are three buttons: "GENERATE CTRL + G", "EXPLORE CTRL + SPACE", and "...".

## STEP 02:

Downloaded the zip file and imported it into Eclipse



## STEP 03:

Opened SpringLearnApplication

```
*SpringLearnApplication.java ×
1 package com.cognizant.spring_learn;
2
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6 @SpringBootApplication
7 public class SpringLearnApplication {
8
9     public static void main(String[] args) {
10         SpringApplication.run(SpringLearnApplication.class, args);
11     }
12 }
13
14 |
```

## STEP 04:

Included logs to verify `main()` method of `SpringLearnApplication`.

```
*SpringLearnApplication.java ×
1 package com.cognizant.spring_learn;
2 import org.slf4j.Logger;
3 import org.slf4j.LoggerFactory;
4 import org.springframework.boot.SpringApplication;
5 import org.springframework.boot.autoconfigure.SpringBootApplication;
6
7 @SpringBootApplication
8 public class SpringLearnApplication {
9
10     private static final Logger LOGGER = LoggerFactory.getLogger(SpringLearnApplication.class);
11
12     public static void main(String[] args) {
13         SpringApplication.run(SpringLearnApplication.class, args);
14         LOGGER.info("Inside main");
15     }
16 }
17
```

## OUTPUT:

```
Problems Servers Terminal Data Source Explorer Properties Console × JUnit Coverage
SpringLearnApplication (Java Application) C:\Users\appav\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.23.0.2\j20250131-0604\jre\bin\javaw.exe (16 Jul 2025, 11:46:41 pm) [pid: 7528]

:: Spring Boot :: (v3.5.3)

2025-07-16T23:46:43.580+05:30 INFO 7528 --- [spring-learn] [ restartedMain] c.c.spring_learn.SpringLearnApplication : Starting SpringLearnApplication using Java 23.0.2 with PID 7528 (C:\
2025-07-16T23:46:43.585+05:30 INFO 7528 --- [spring-learn] [ restartedMain] c.c.spring_learn.SpringLearnApplication : No active profile set, falling back to 1 default profile: "default"
2025-07-16T23:46:43.675+05:30 INFO 7528 --- [spring-learn] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : DevTools property defaults active! Set 'spring.devtools.add-properties'
2025-07-16T23:46:43.676+05:30 INFO 7528 --- [spring-learn] [ restartedMain] .e.DevToolsPropertyDefaultsPostProcessor : For additional web related logging consider setting the 'logging.level.org.springframework.boot.autoconfigure.web' property
2025-07-16T23:46:45.284+05:30 INFO 7528 --- [spring-learn] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8081 (http)
2025-07-16T23:46:45.304+05:30 INFO 7528 --- [spring-learn] [ restartedMain] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2025-07-16T23:46:45.306+05:30 INFO 7528 --- [spring-learn] [ restartedMain] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.42]
2025-07-16T23:46:45.371+05:30 INFO 7528 --- [spring-learn] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2025-07-16T23:46:45.372+05:30 INFO 7528 --- [spring-learn] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 1695 ms
2025-07-16T23:46:45.903+05:30 INFO 7528 --- [spring-learn] [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35729
2025-07-16T23:46:46.090+05:30 INFO 7528 --- [spring-learn] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8081 (http) with context path '/'
2025-07-16T23:46:46.116+05:30 INFO 7528 --- [spring-learn] [ restartedMain] c.c.spring_learn.SpringLearnApplication : Started SpringLearnApplication in 3.178 seconds (process running for 3.178 seconds)
2025-07-16T23:46:46.128+05:30 INFO 7528 --- [spring-learn] [ restartedMain] c.c.spring_learn.SpringLearnApplication : Inside main
```