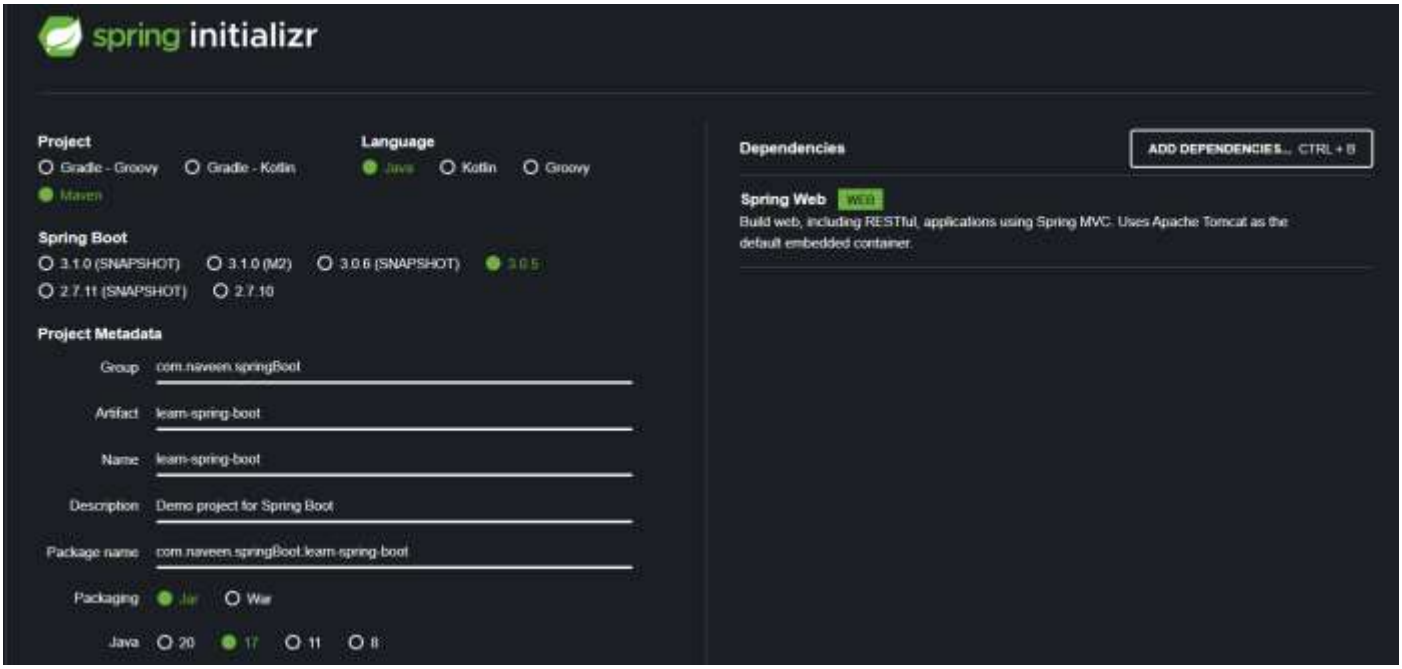
CREATING A NEW SPRING BOOT APPLICATION WITH INITIALIZR

The best way to create a **spring boot** project is go to this website: https://start.spring.io/

This is called Spring Initializer.

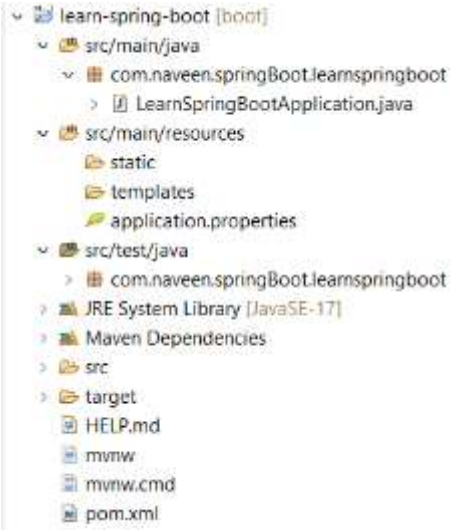


- **Note**: While choosing **Spring Boot version**, **do not use snapshot version**. Snapshot versions are **currently developed by spring boot team**, then we should not use it when we are learning something new.
- Group ID and Artifact ID are like package name and class name.
- Add required dependency by clicking “ADD DEPENDENCIES” button.
- Once click **GENERATE** button, the zip will be downloaded in our download folder. And unzip a folder to our local hard disk.

IMPORT THE PROJECT IN ECLIPSE IDE:

File → Import → Choose Maven → Existing Maven Project → click Next → click Browse → Select the unzipped folder → Finish.

After clicking the **finish**, we will see our project structure.



src/main/java → where we would be storing all our source files.

src/main/resource → to store all our configuration files in.

src/test/java → where we will write our test code.

LearnSpringBootApplication.java

```java
package com.naveen.springBoot.learnspringboot;

import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication
public class LearnSpringBootApplication {

    public static void main(String[] args) {
        SpringApplication.run(LearnSpringBootApplication.class, args);
    }

}
```

OUTPUT:

```
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 :: Spring Boot ::                (v3.0.5)

2023-04-15T15:27:58.909+05:30  INFO 22996 --- [           main] c.n.s.l.LearnSpringBootApplication       : Starting LearnSpri
2023-04-15T15:27:58.914+05:30  INFO 22996 --- [           main] c.n.s.l.LearnSpringBootApplication       : No active profile
2023-04-15T15:27:59.804+05:30  INFO 22996 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat initializec
2023-04-15T15:27:59.815+05:30  INFO 22996 --- [           main] o.apache.catalina.core.StandardService   : Starting service [
2023-04-15T15:27:59.815+05:30  INFO 22996 --- [           main] o.apache.catalina.core.StandardEngine    : Starting Servlet e
2023-04-15T15:27:59.923+05:30  INFO 22996 --- [           main] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Sprir
2023-04-15T15:27:59.924+05:30  INFO 22996 --- [           main] w.s.c.ServletWebServerApplicationContext : Root WebApplicatic
2023-04-15T15:28:00.219+05:30  INFO 22996 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat started on
2023-04-15T15:28:00.230+05:30  INFO 22996 --- [           main] c.n.s.l.LearnSpringBootApplication       : Started LearnSprir
```

```
rnSpringBootApplication using Java 17.0.6 with PID 22996 (D:\JAVA Spring Framework (In28Minutes)\learn-spring-boot\target\cla
ofile set, falling back to 1 default profile: "default"
alized with port(s): 8080 (http)
vice [Tomcat]
vlet engine: [Apache Tomcat/10.1.7]
 Spring embedded WebApplicationContext
icationContext: initialization completed in 968 ms
ed on port(s): 8080 (http) with context path ''
nSpringBootApplication in 1.654 seconds (process running for 2.001)
```