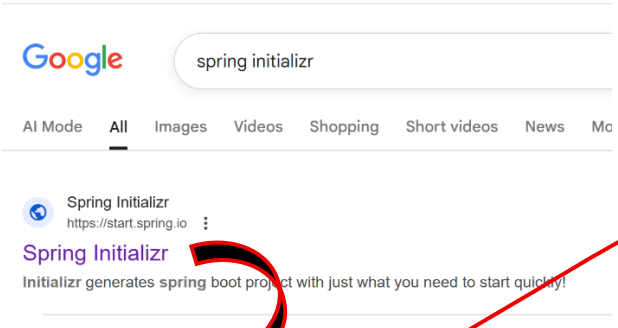
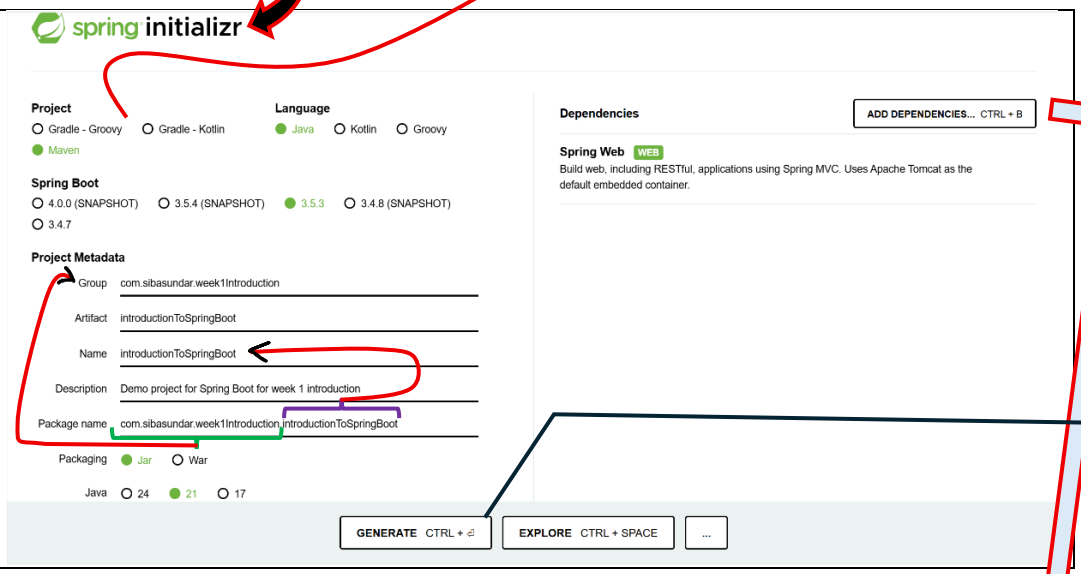
1.2 Setting Up a Spring Boot Project

Spring initializr is the website from where we can download our starter application and use that to build java applications.

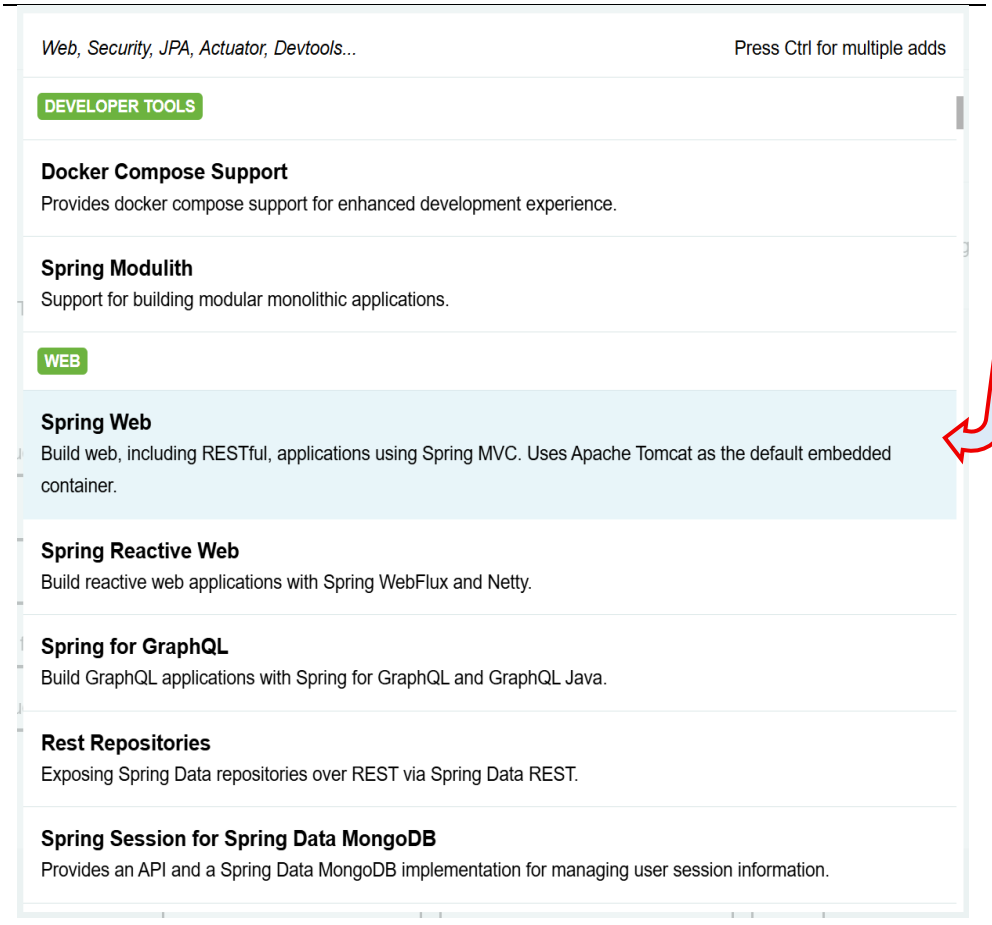


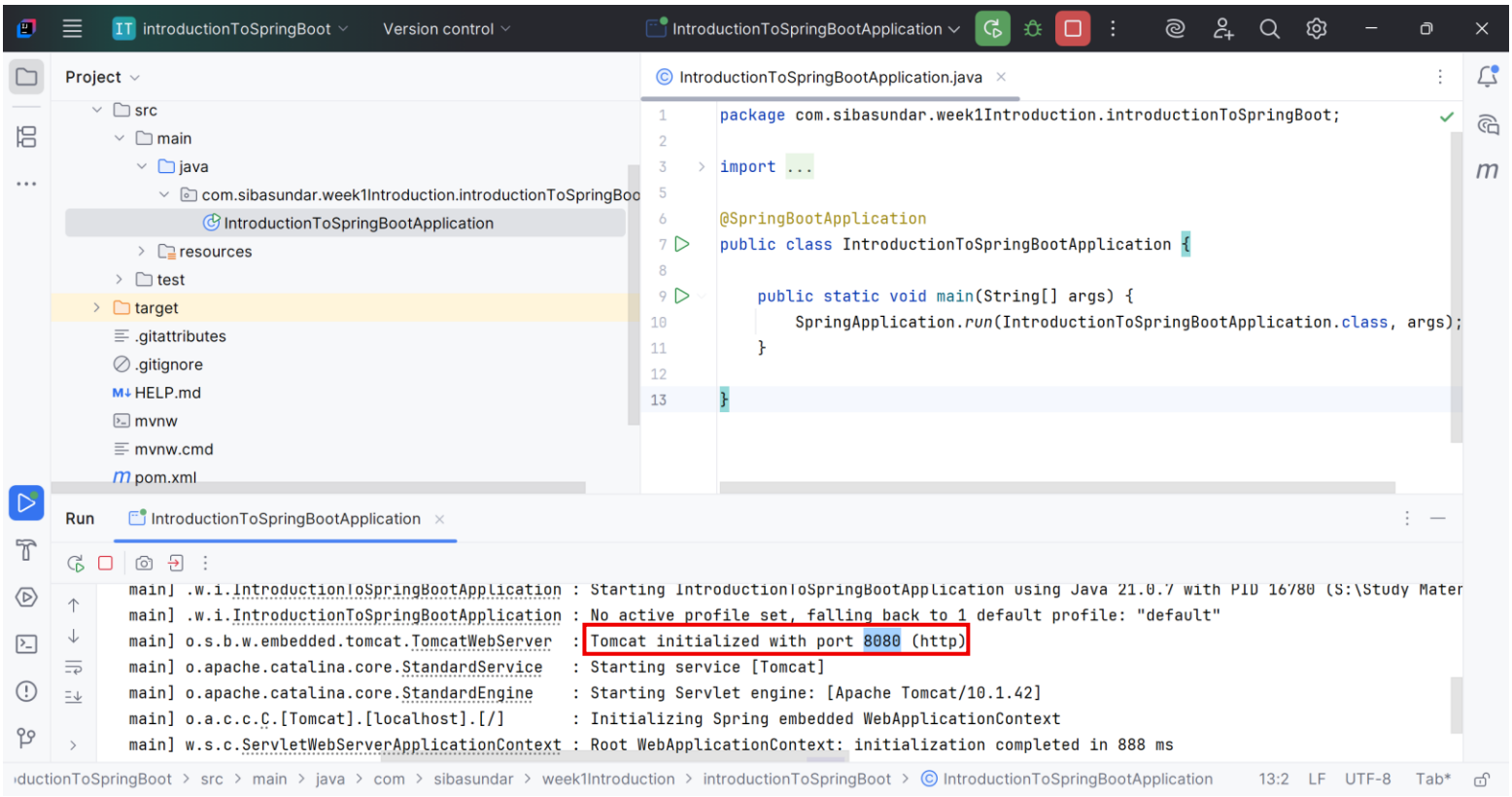
Build Tools



You can select specific dependencies as per your need.

Just click on this generate button and it will generate a zip file for you. Now go ahead and uncompress this file and open it inside your intellij IDE.





As you can see, ***Apache Tomcat Server*** has successfully started on ***port 8080***. Spring Boot has automatically configured the embedded ***servlet container*** for us, eliminating the need for manual setup. Now, we can focus entirely on writing the **business logic** without worrying about infrastructure configuration.

📁 **Test folder:**

Spring Initializr automatically include ***test*** folder as part of **Maven's** standard directory structure for writing ***unit*** and ***integration tests*** to **validate** your **Spring Boot application's** ***correctness***, ***reliability***, and ***stability***.

📄 **mvnw, mvnw.cmd**

- These are **Maven Wrapper scripts**:
  - They allow anyone to build your project **without** installing **Maven** globally.
  - mvnw for Linux/macOS, **mvnw.cmd** for **Windows**.

📄 **pom.xml**

- This is the **Maven Project Object Model** file.
- It defines your project's **dependencies**, **plugins**, **Java version**, **build settings**, etc.