# Lab 1 – Creating a Spring application

The purpose of this task is to demonstrate how to create and run a Spring application using the IntelliJ IDEA. The Spring Boot Maven project will be generated by Spring Initializr as it is the most efficient method of creating a Spring project and comes with an assigned project wizard.

Task 1

Step-by-step guide to create a new Spring Boot project:

1. Access the Spring Initializr at https://start.spring.io/
2. Select **Maven** project.
3. Select Spring Boot version 3.0.2.
4. Change the group to com.qa.
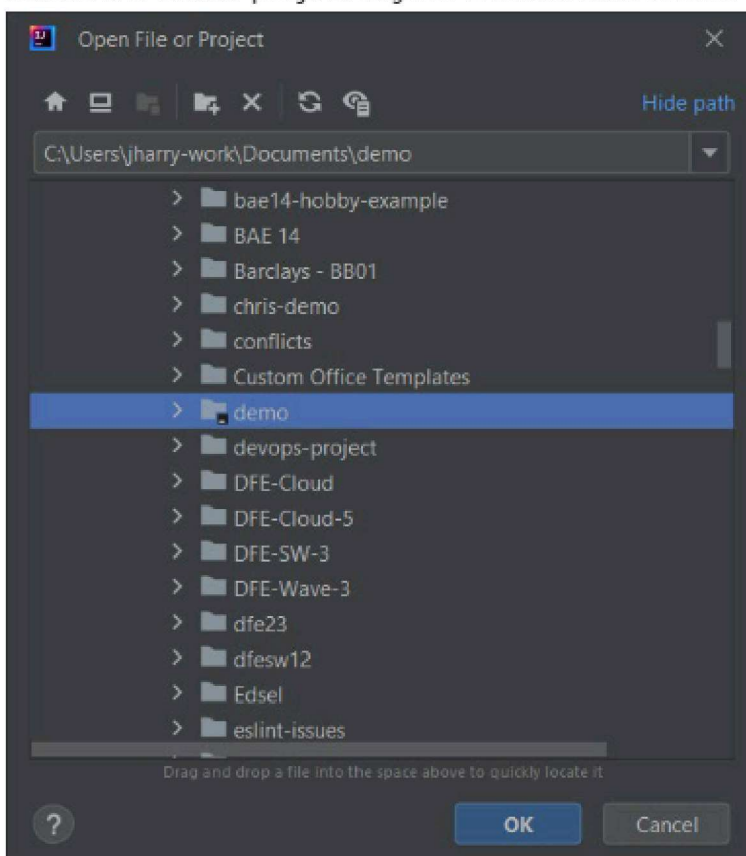5. Add the five dependencies you can see in the image:
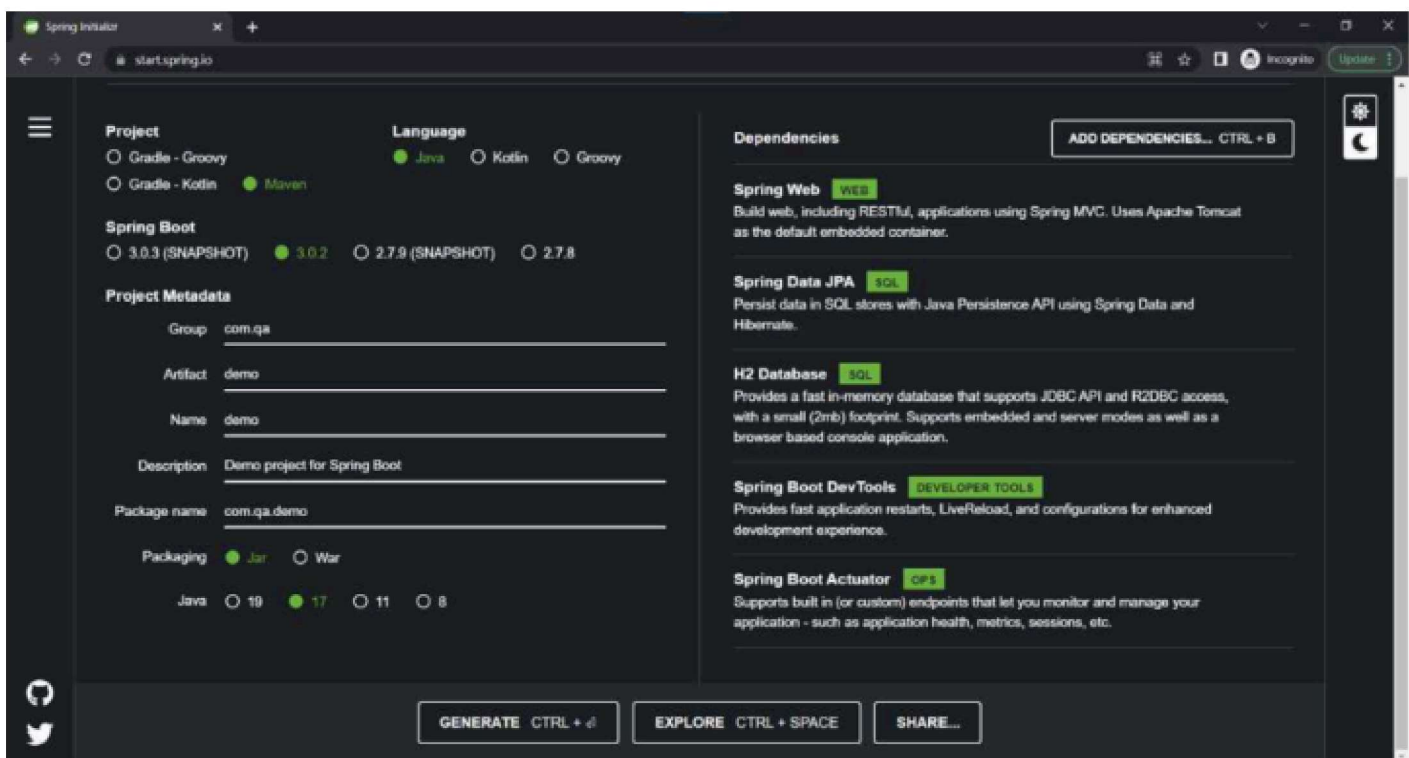
6. Click **Generate** to download the project as a zip.
7. Unzip the project into the Documents folder.

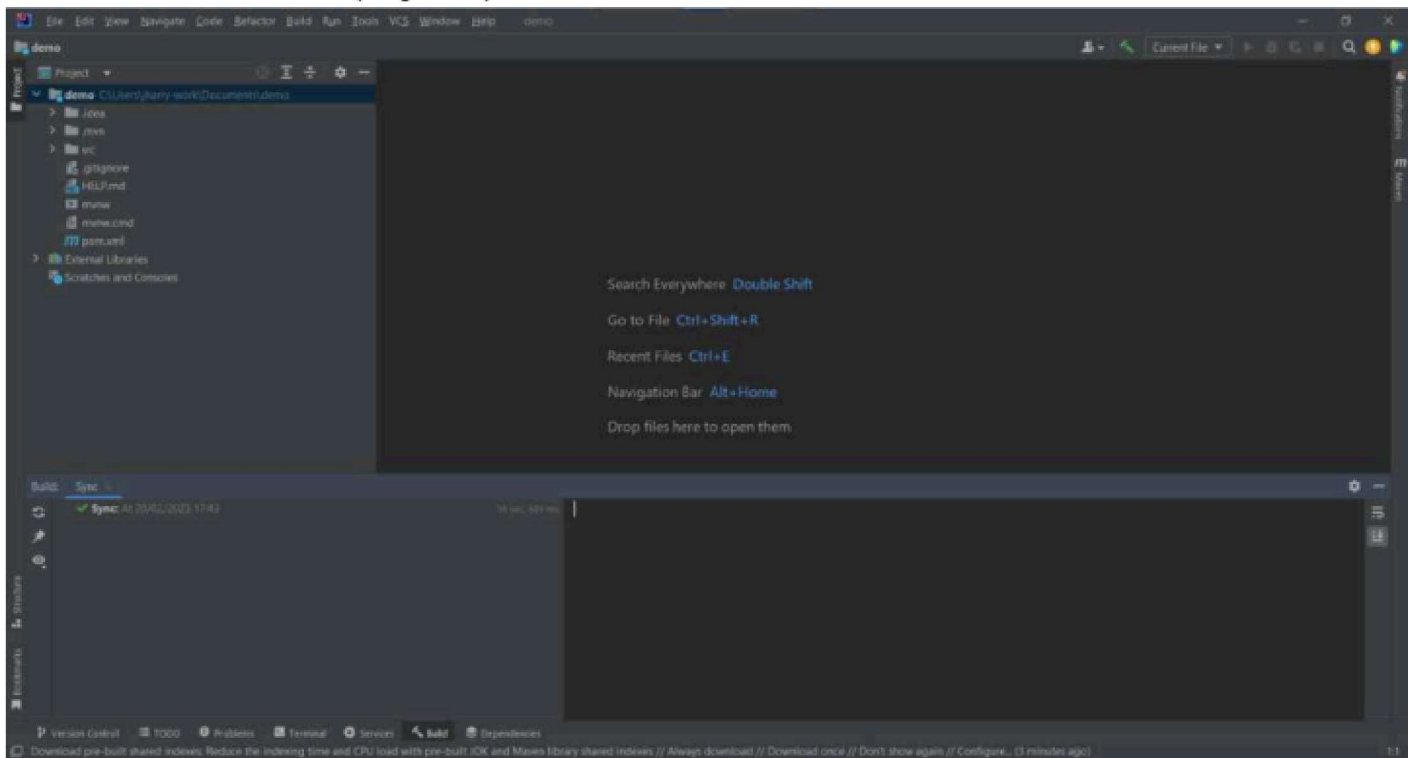8. Open up IntelliJ and select **Open.**
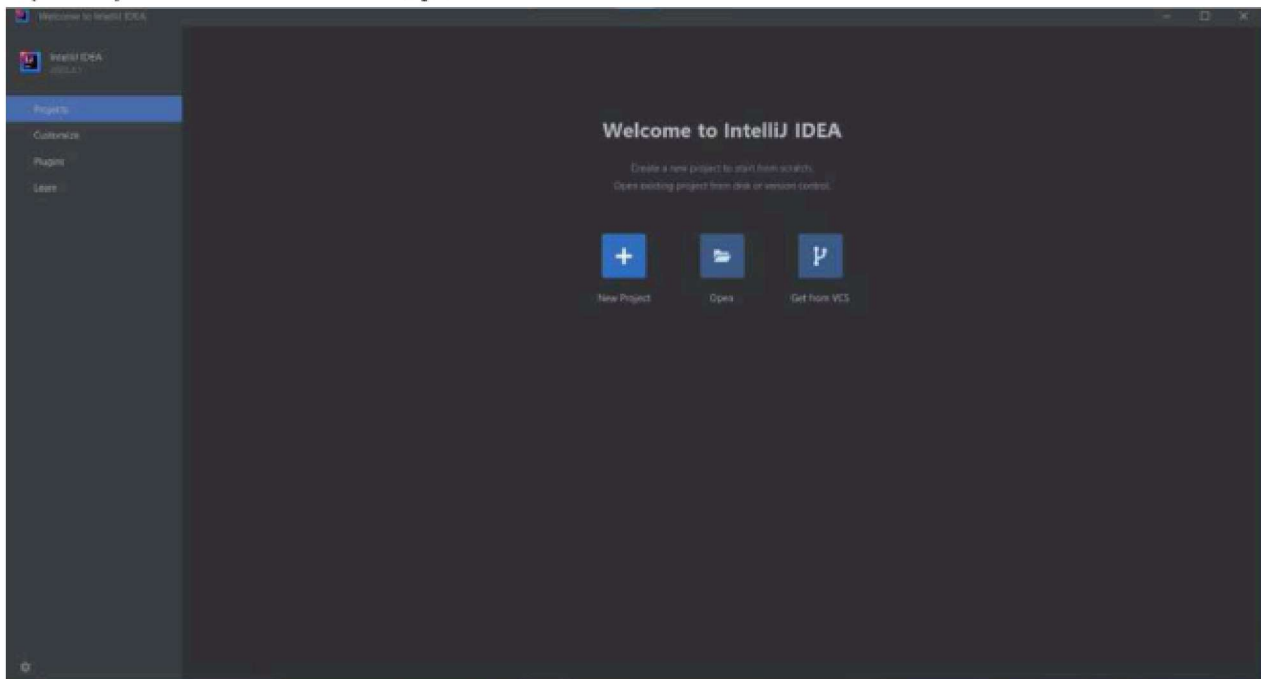
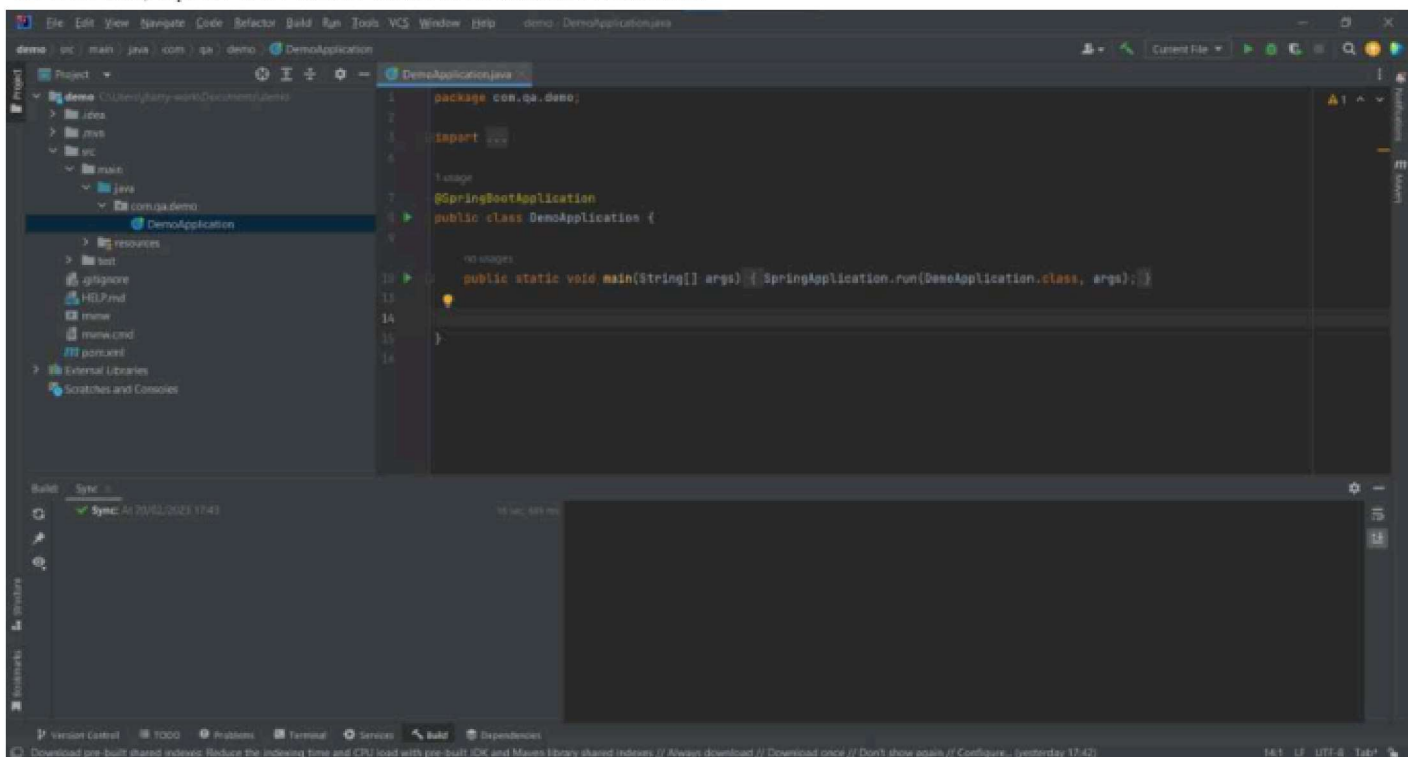9. Select the **demo** project in your **Documents** folder.

10. You should now see the project open in IntelliJ.

11. In IntelliJ, open the class with the **main** method.

12.

13. Paste this code into line 14:

```java
@GetMapping("/hello")
    public String greeting() {
        return "Hello, World!";
    }
}
```

14. And this code above **@SpringBootApplication:**

```java
@RestController
```

QA

15. Run the Spring app using the green play button in the gutter on line 10:
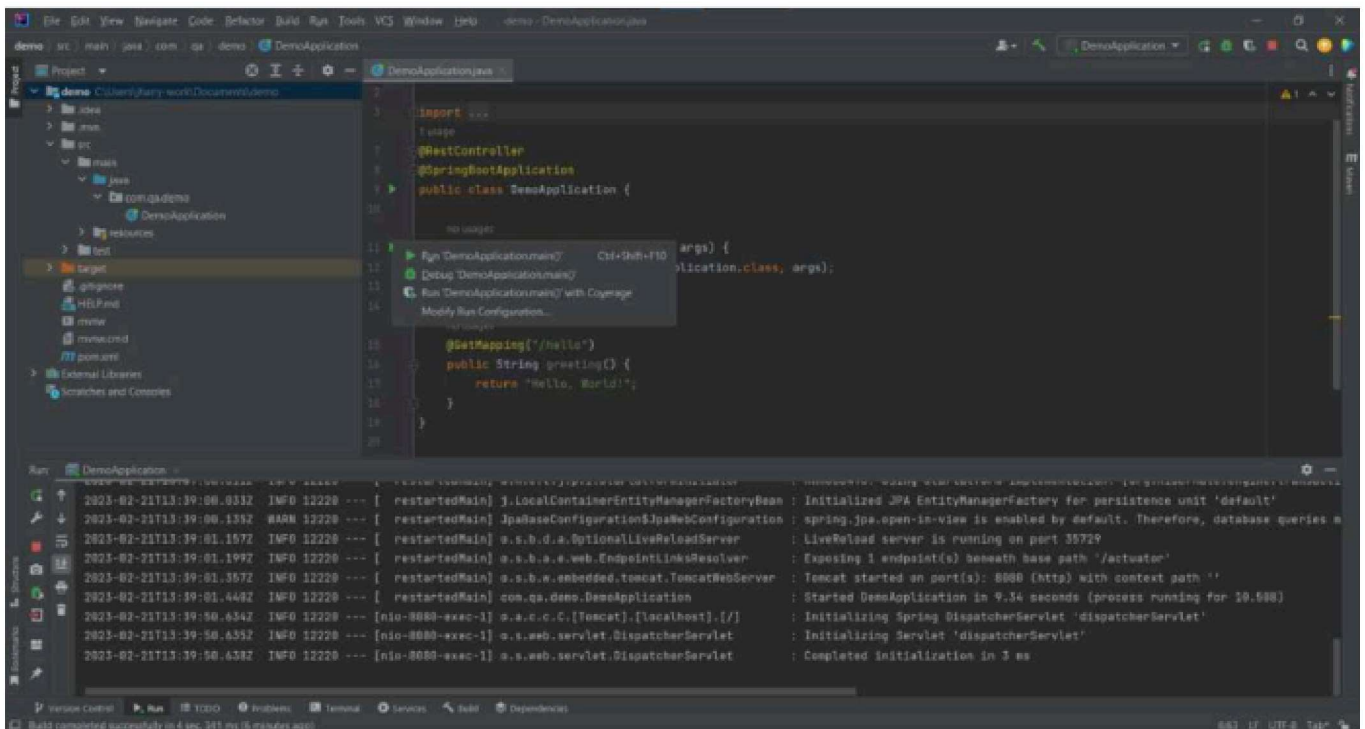
16. Once the app has started you should be able to see this message at
    http://localhost:8080/hello