

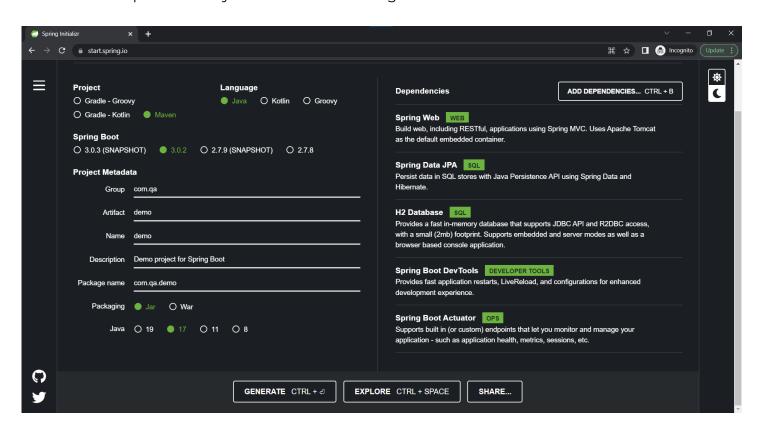
Lab 1 - Creating a Spring application

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:

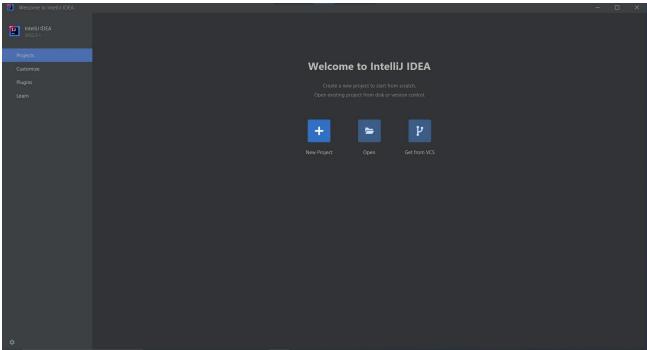
- 1. Access the Spring Initializr at https://start.spring.io/
- 2. Select Maven project.
- 3. Select Spring Boot version 3.0.2.
- 4. Change the group to com.qa.
- 5. Add the five dependencies you can see in the image:



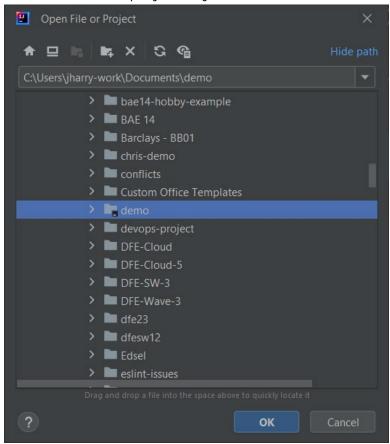
- 6. Click **Generate** to download the project as a zip.
- 7. Unzip the project into the Documents folder.



8. Open up IntelliJ and select Open.

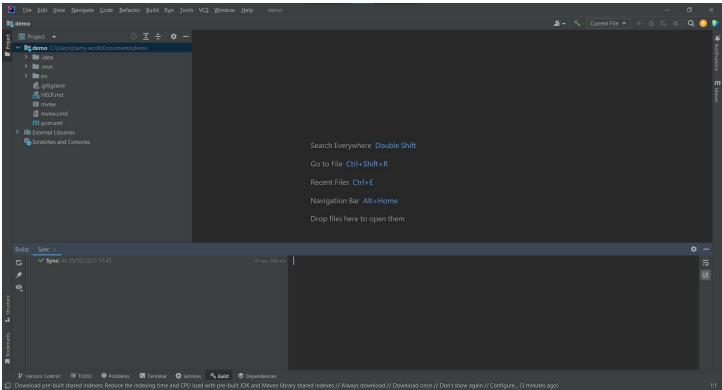


9. Select the **demo** project in your **Documents** folder.

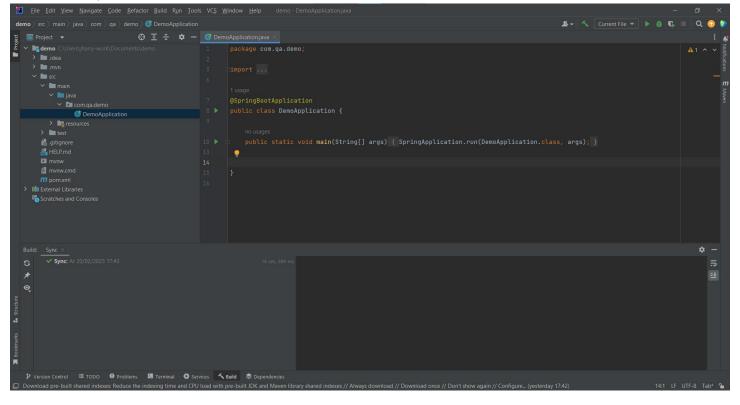




10. You should now see the project open in IntelliJ.



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



12.



13. Paste this code into line 14:

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

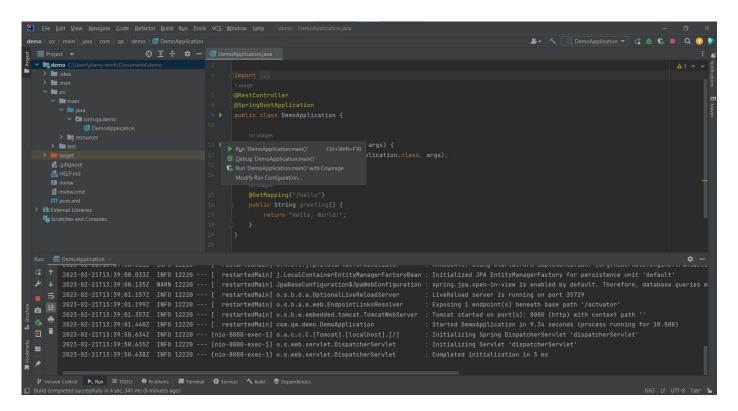
14. And this code above @SpringBootApplication:

```
@RestController
```

```
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```



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

