

Basic Spring Boot Project Steps

1. Online : <https://start.spring.io/> [Those using IntelliJ kindly choose Online version]
2. STS
3. Lombok

1. Online :

- 1.1. Go to the link <https://start.spring.io/> and select java, maven version. Provide group and artifact id as shown in below screen

The screenshot shows the Spring Boot Start page with the following fields highlighted by red boxes:

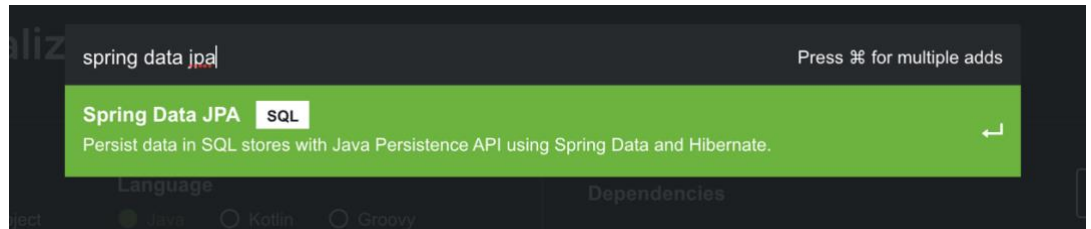
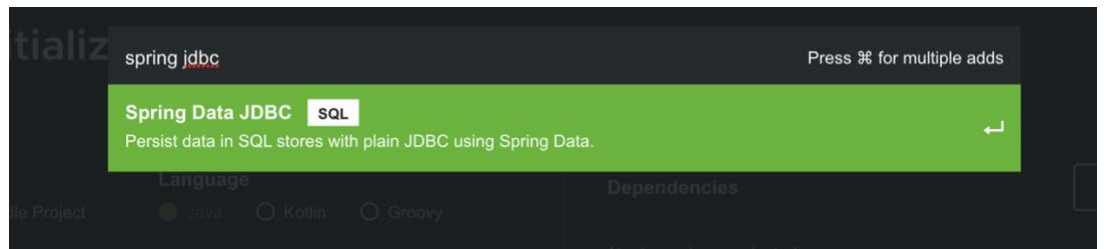
- Project:** ☒ Maven
- Language:** ☒ Java
- Spring Boot:** ☒ 3.2.3
- Project Metadata:**
 - Group:** com.boot.demo
 - Artifact:** SpringBootDemo
 - Name:** SpringBootDemo
 - Description:** Demo project for Spring Boot
 - Package name:** com.boot.demo.SpringBootDemo
 - Packaging:** ☒ Jar ☐ War
 - Java:** ☐ 21 ☒ 17

A text box on the right says "Select version installed on your machine" with an arrow pointing to the Java 17 radio button.

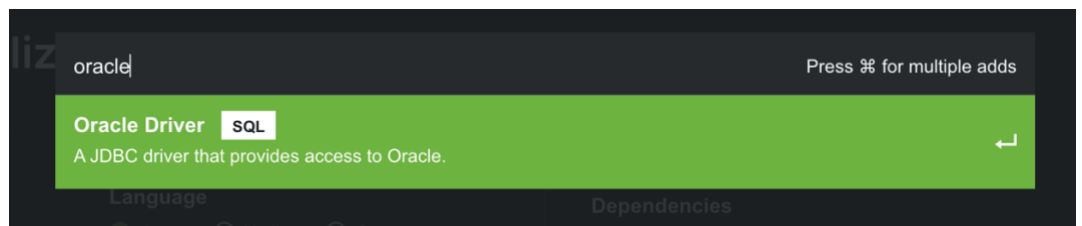
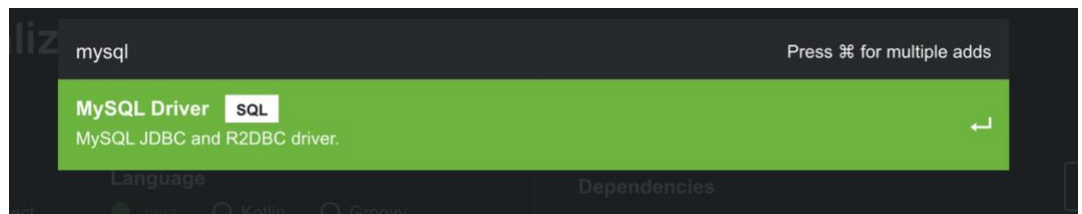
Dependencies: No dependency selected

- 1.2. Click on Add Dependencies as highlighted on the right in the above picture and add following dependencies

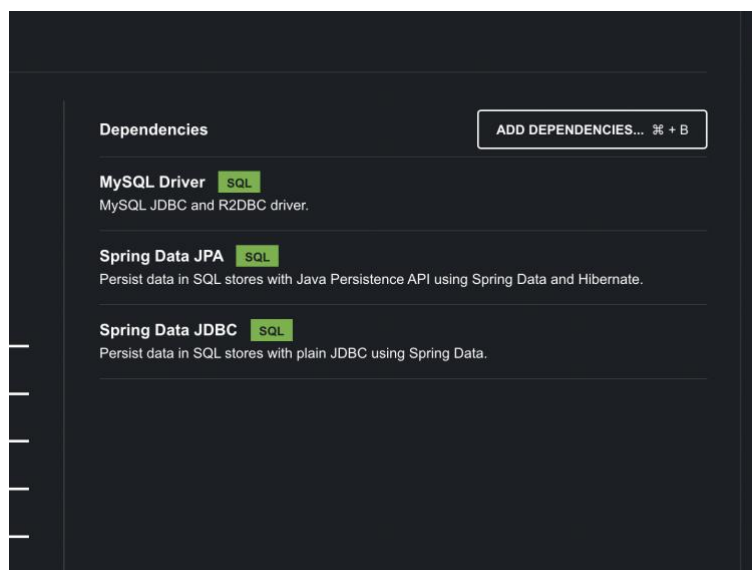
- 1.2.1. Spring-jdbc
- 1.2.2. Spring-data-jpa
- 1.2.3. Mysql or oracle driver or driver of the database used in your application
- 1.2.4. Click on Generate button at the bottom of the page and the project will be downloaded as a zip.



MYSQL OR ORACLE CHOOSE ONE :

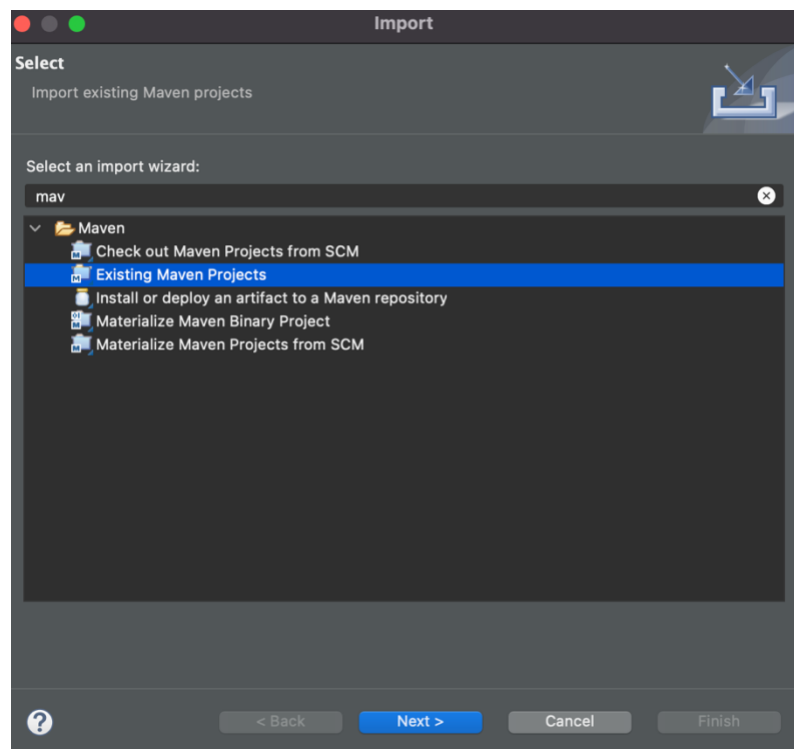
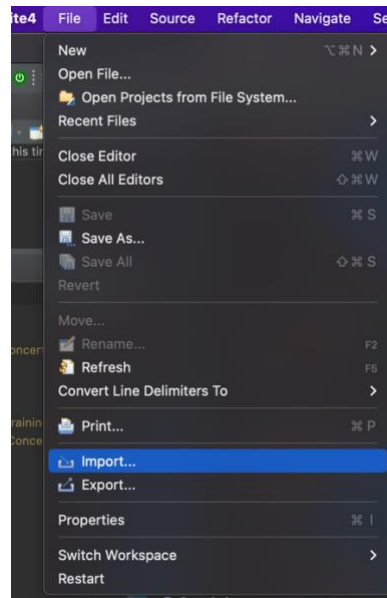


Finally screen looks like this.

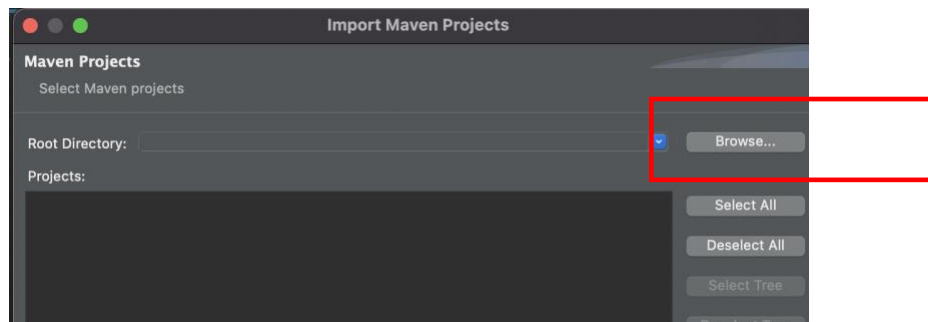


1.3. Unzip the project and import in eclipse by following steps:

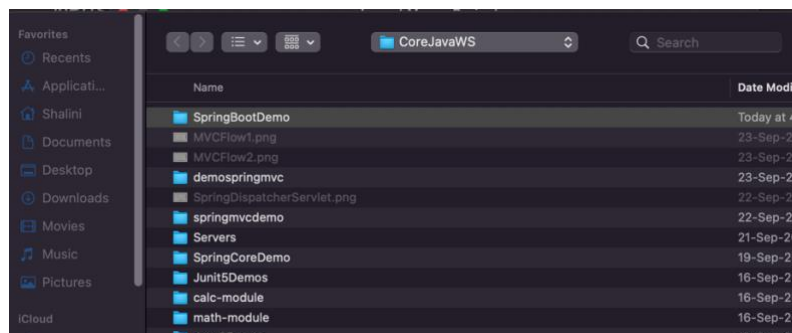
- 1.3.1. Copy the zip folder within your workspace folder where all the projects are created.
- 1.3.2. Then to import the project in eclipse or sts, click on File -> Import and select Existing Maven Projects



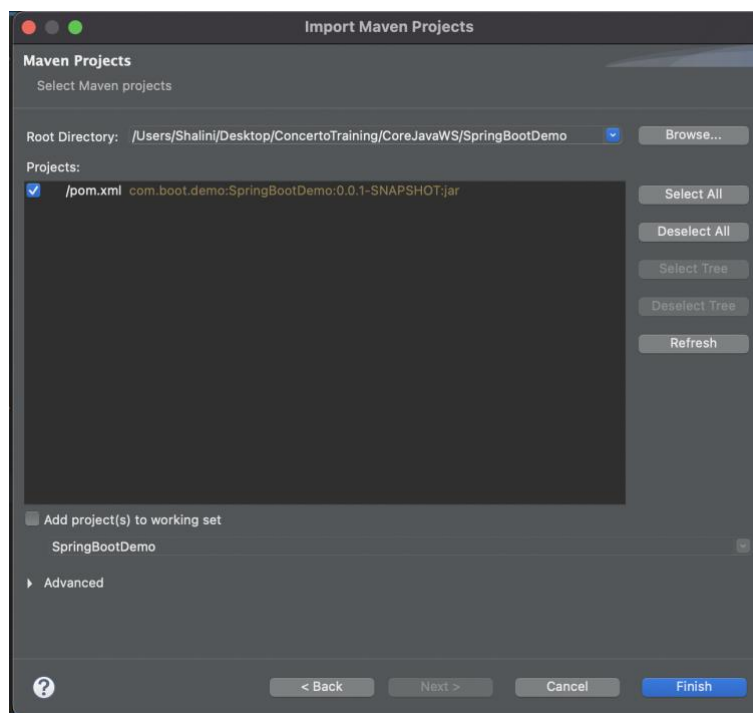
1.4. Click on browse



1.5. Select the Project folder

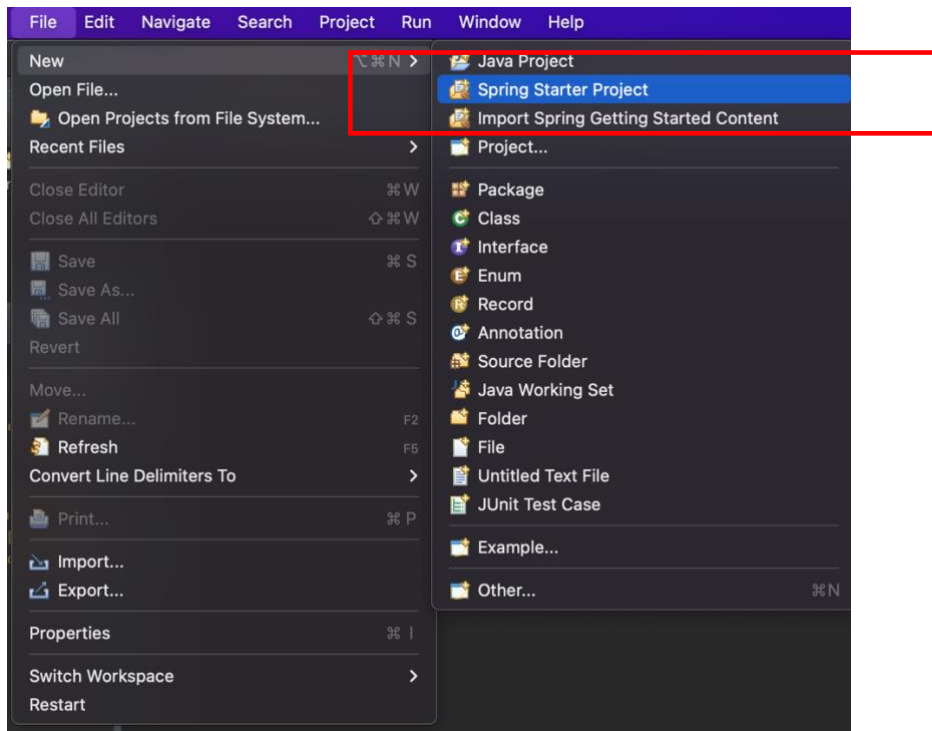


1.6. The screen will look as below and click Finish. It will take some time to load the project

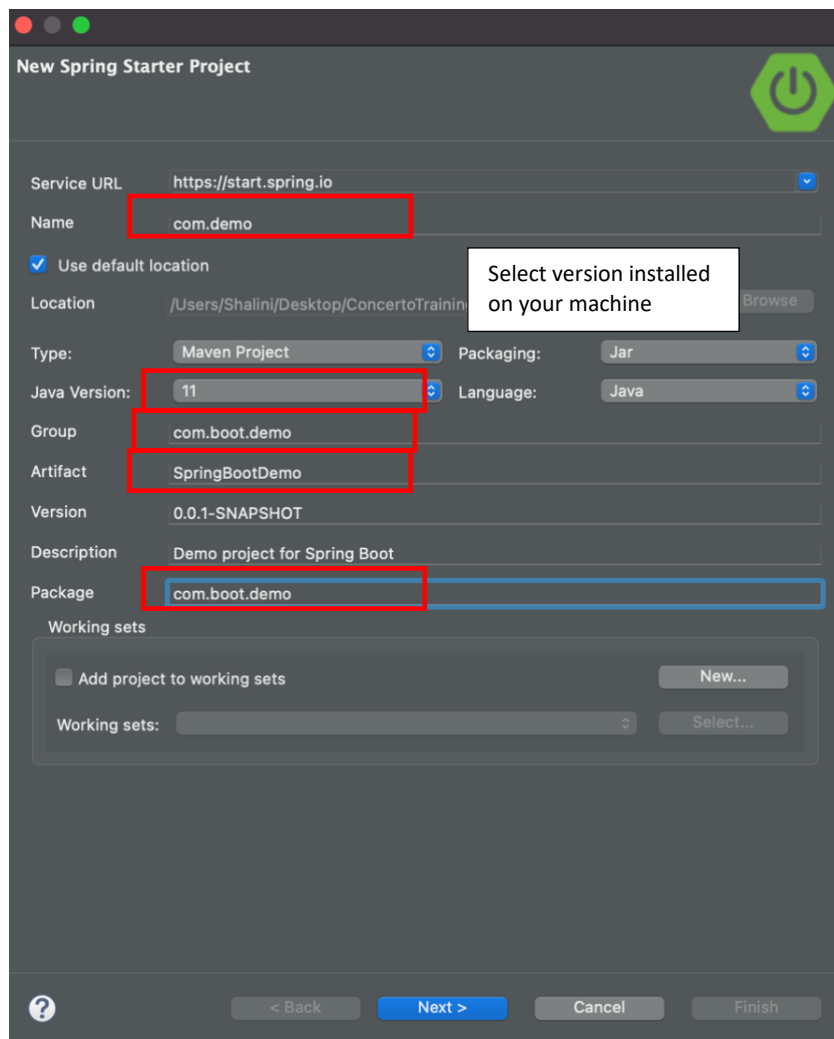


2. STS :

2.1. Click on File -> New -> Spring Starter Project



2.2. Select the java and maven version . Update other fields as highlighted and click next



The image shows the 'New Spring Starter Project' dialog box. It contains several fields and options for configuring a new project. A red box highlights the 'Name' field with the value 'com.demo'. Another red box highlights the 'Java Version' dropdown menu, which is set to '11'. A third red box highlights the 'Group' field with the value 'com.boot.demo'. A fourth red box highlights the 'Artifact' field with the value 'SpringBootDemo'. A fifth red box highlights the 'Package' field with the value 'com.boot.demo'. A white tooltip box with the text 'Select version installed on your machine' points to the 'Java Version' dropdown. The 'Service URL' is 'https://start.spring.io'. The 'Location' is '/Users/Shalini/Desktop/ConcertoTraining'. The 'Type' is 'Maven Project', 'Packaging' is 'Jar', and 'Language' is 'Java'. The 'Version' is '0.0.1-SNAPSHOT' and the 'Description' is 'Demo project for Spring Boot'. At the bottom, there are buttons for '< Back', 'Next >', 'Cancel', and 'Finish'. A 'Working sets' section is also present with an 'Add project to working sets' checkbox and a 'New...' button.

New Spring Starter Project

Service URL: <https://start.spring.io>

Name: **com.demo**

☒ Use default location

Location: /Users/Shalini/Desktop/ConcertoTraining Browse

Type: **Maven Project** Packaging: **Jar** Language: **Java**

Java Version: **11**

Group: **com.boot.demo**

Artifact: **SpringBootDemo**

Version: 0.0.1-SNAPSHOT

Description: Demo project for Spring Boot

Package: **com.boot.demo**

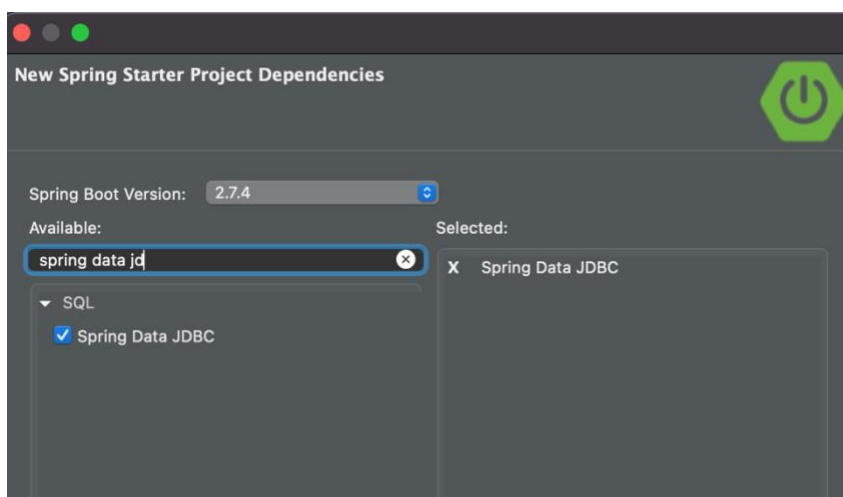
Working sets

☐ Add project to working sets New...

Working sets: Select...

< Back Next > Cancel Finish

2.3. Next screen select dependencies as shown below and click Finish:



The image shows the 'New Spring Starter Project Dependencies' dialog box. It contains a 'Spring Boot Version' dropdown set to '2.7.4'. Below it, there are two panels: 'Available:' and 'Selected:'. The 'Available:' panel has a search bar with 'spring data jd' and a list of dependencies under a 'SQL' category, with 'Spring Data JDBC' checked. The 'Selected:' panel shows 'Spring Data JDBC' with an 'X' icon next to it. At the bottom, there are buttons for '< Back', 'Next >', 'Cancel', and 'Finish'.

New Spring Starter Project Dependencies

Spring Boot Version: **2.7.4**

Available:

spring data jd

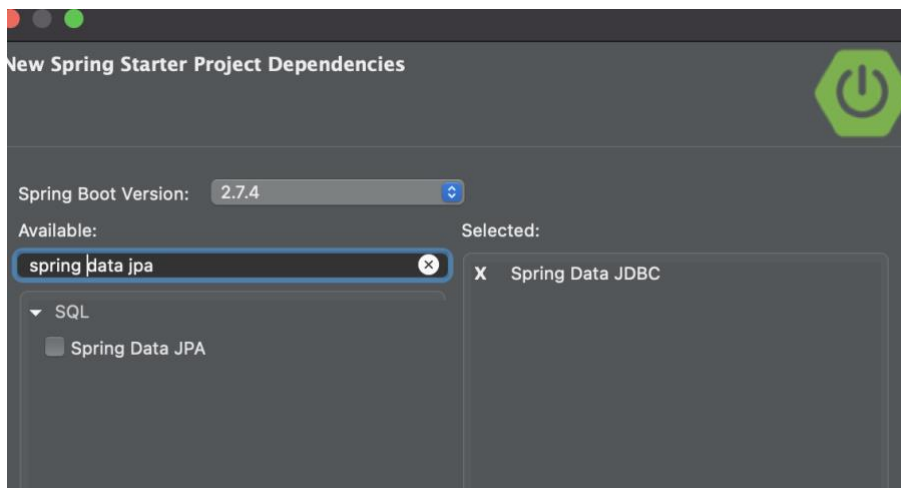
SQL

☒ Spring Data JDBC

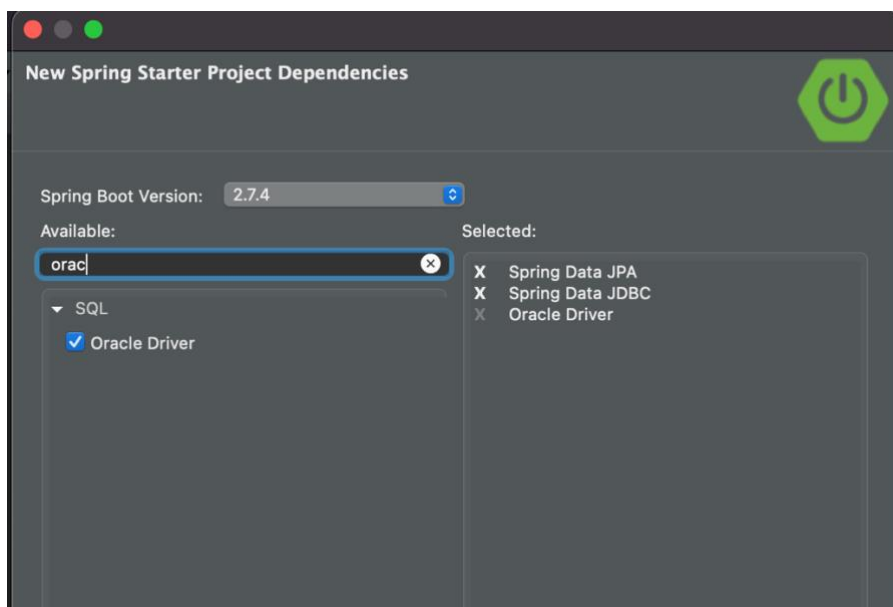
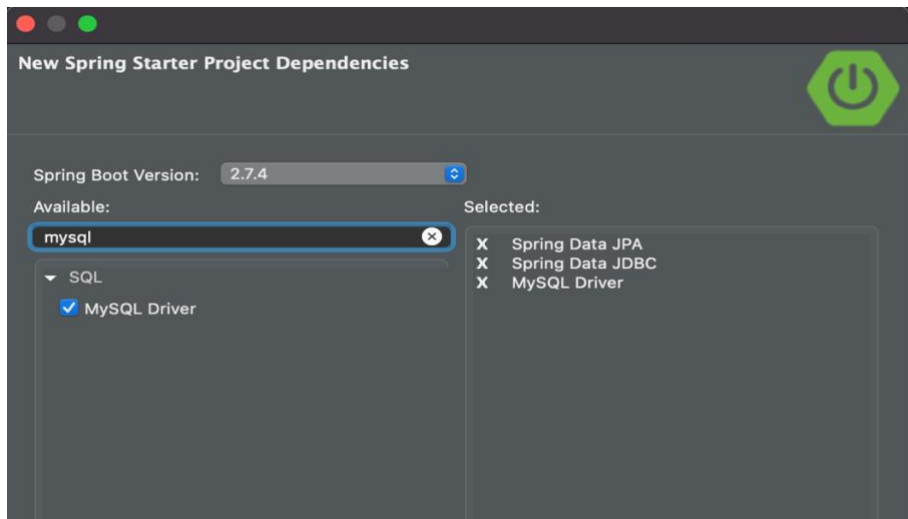
Selected:

X Spring Data JDBC

< Back Next > Cancel Finish



Select MYSQL Or Oracle or any other driver for your database



3. Download Lombok.jar <https://projectlombok.org/setup/eclipse>

3.1. Double click and follow the steps as shown in above link.