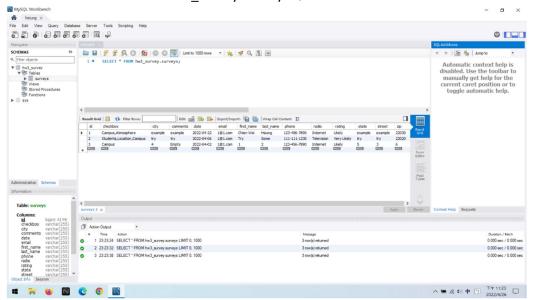
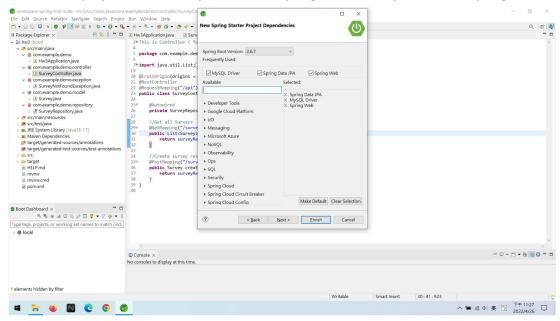
## 1. MySQL

Create a database called "hw3\_survey" in MySQL

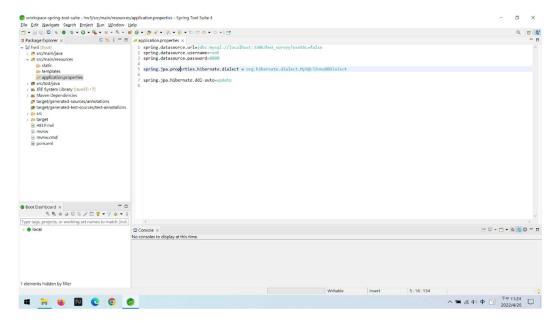


## 2. SpringBoot

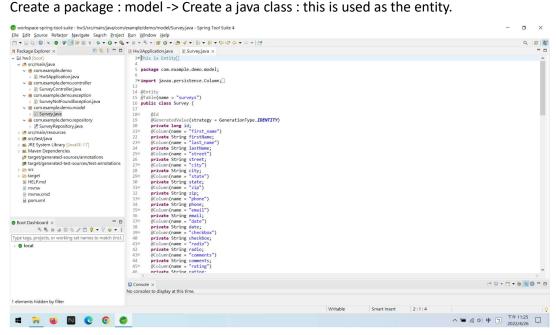
• Start a new project -> select dependencies : Spring Data JPA, MySQL Driver, Spring Web.



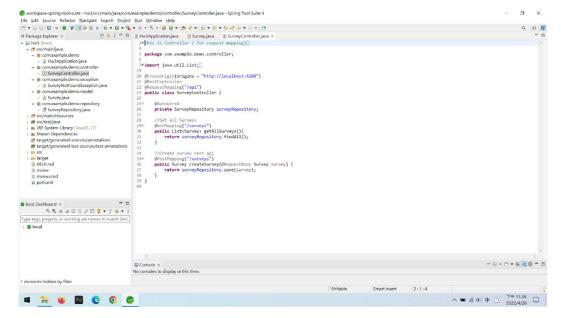
Properties: contains the information to connect to the database shown in 1.



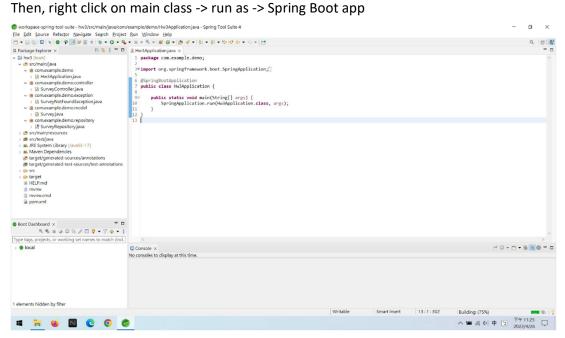
Create a package: model -> Create a java class: this is used as the entity.



Create a package: controller-> Create a java class: this is used for request mapping ( http get & post).

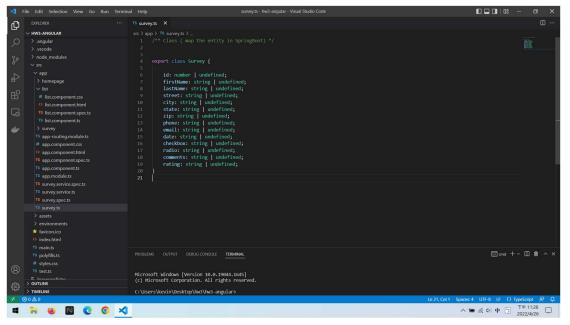


- Create a package: exception -> Create a java class: this is used for exception.
- Create a package: repository -> Create a java class: this is used for repository.
- Then, right click on main class -> run as -> Spring Boot app

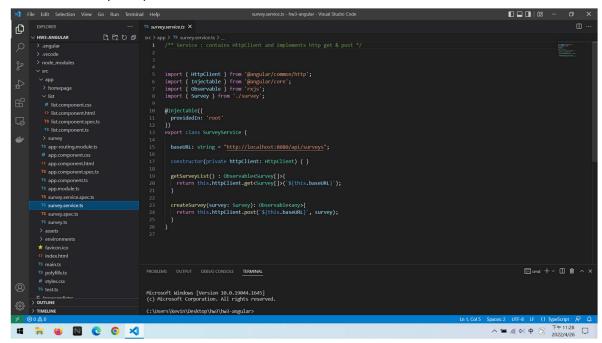


## 3. Angular

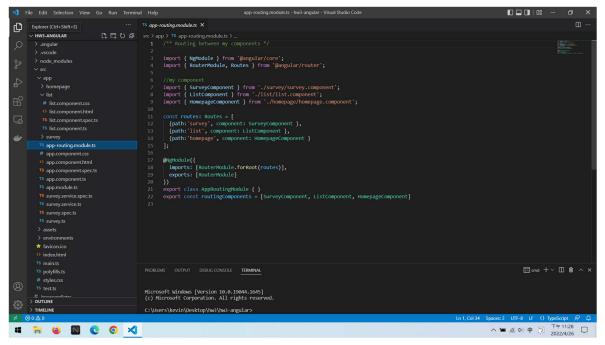
Create a class: this is mapped to the entity above.



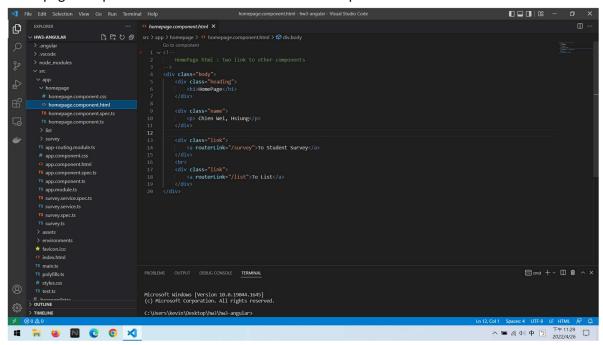
• Create a service: this includes HttpClient that can handle http request. This service is injected into list & survey components.



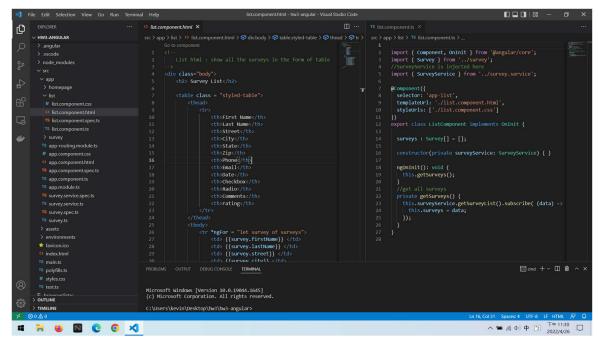
This file helps application route between components.



• homepage component: contains two links to other components.



• list component: http get request to backend application, and then display all the surveys on the browser.



survey component: after filling a form, create an instance that stores all the data in the form.
Then, send the instance by http post request to backend application.

