Front-end App

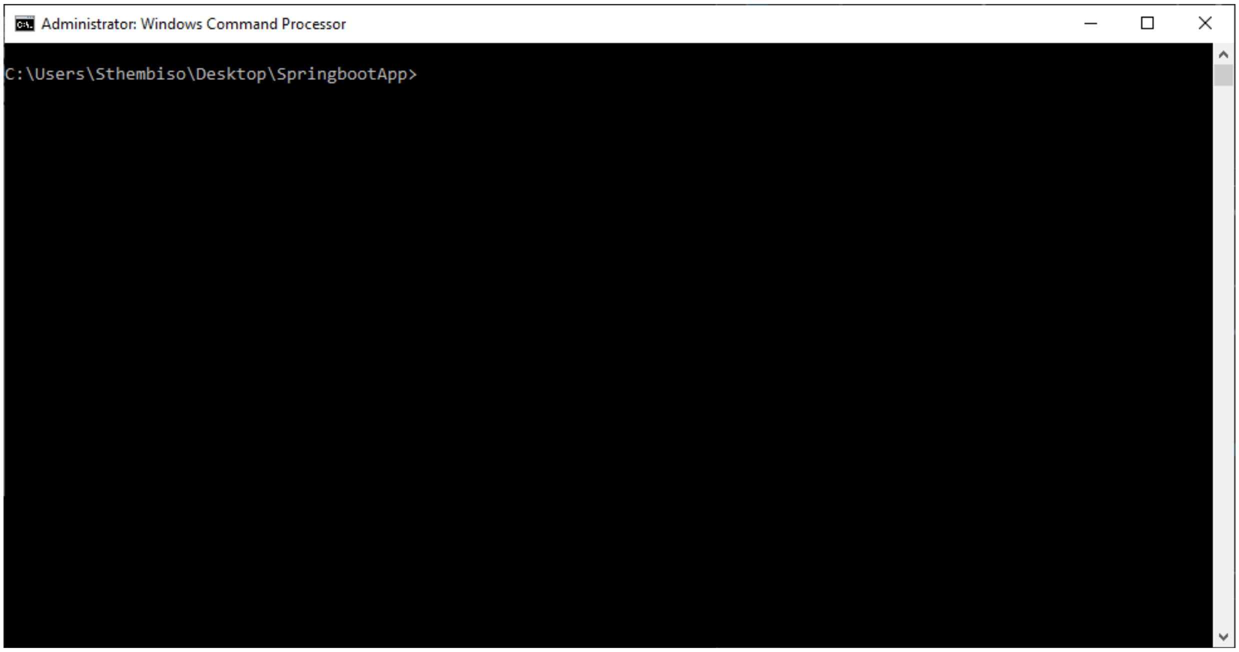
# Full-stack-application-with-springboot-and-angular
This is a to-do application build with springboot and angular cli

This project was generated with [Angular CLI](https://github.com/angular/angular-cli) version 7.0.3.

# Setting up your local development

Create a directory/folder named "**SpringbootApp**"

Navigate to "**SpringbootApp**" folder with your terminal or command prompt. On windows, ensure that you running your command prompt as an administrator



```
C:\Users\Sthembiso\Desktop\SpringbootApp>
```

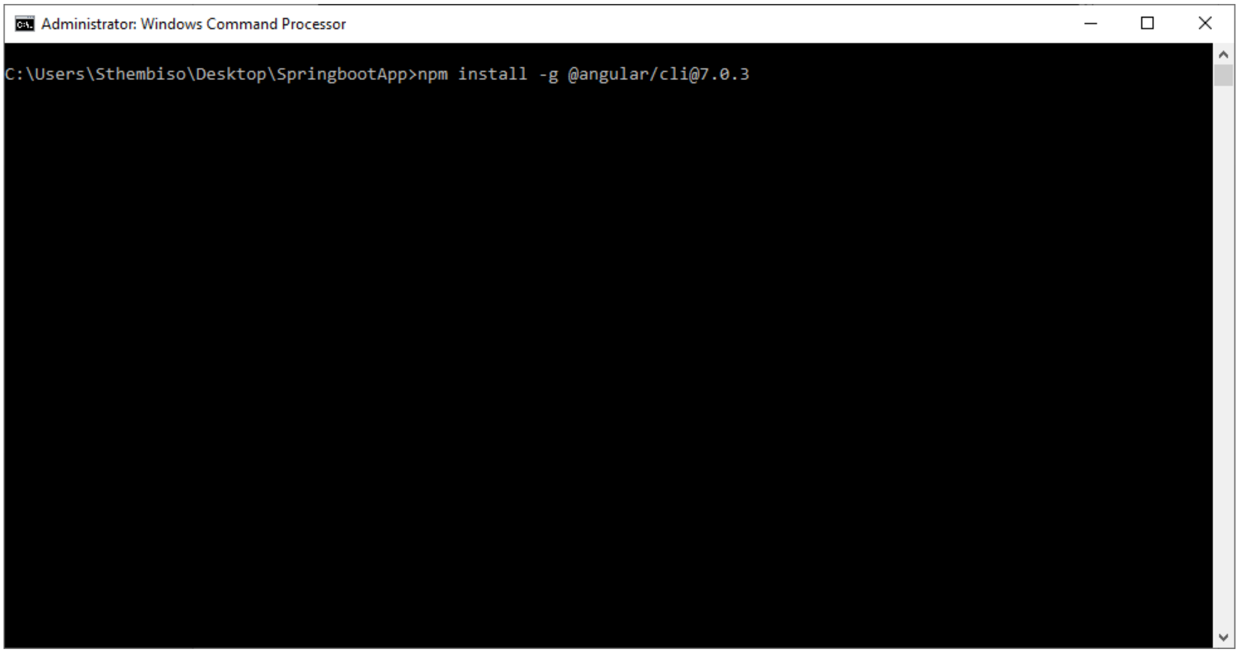
Ensure that you have the following on your local development

- Run "**node -v**" to check your node version. Ensure that you have V8.12.0 or higher
- Run "**npm -v**" to check your node version. Ensure that you have 6.4.1 or higher

Ensure that you are in the “**SpringbootApp”** folder on your terminal or command prompt

Run "**npm install -g @angular/cli@7.0.3**". On windows, ensure that you are running your command prompt as an administrator

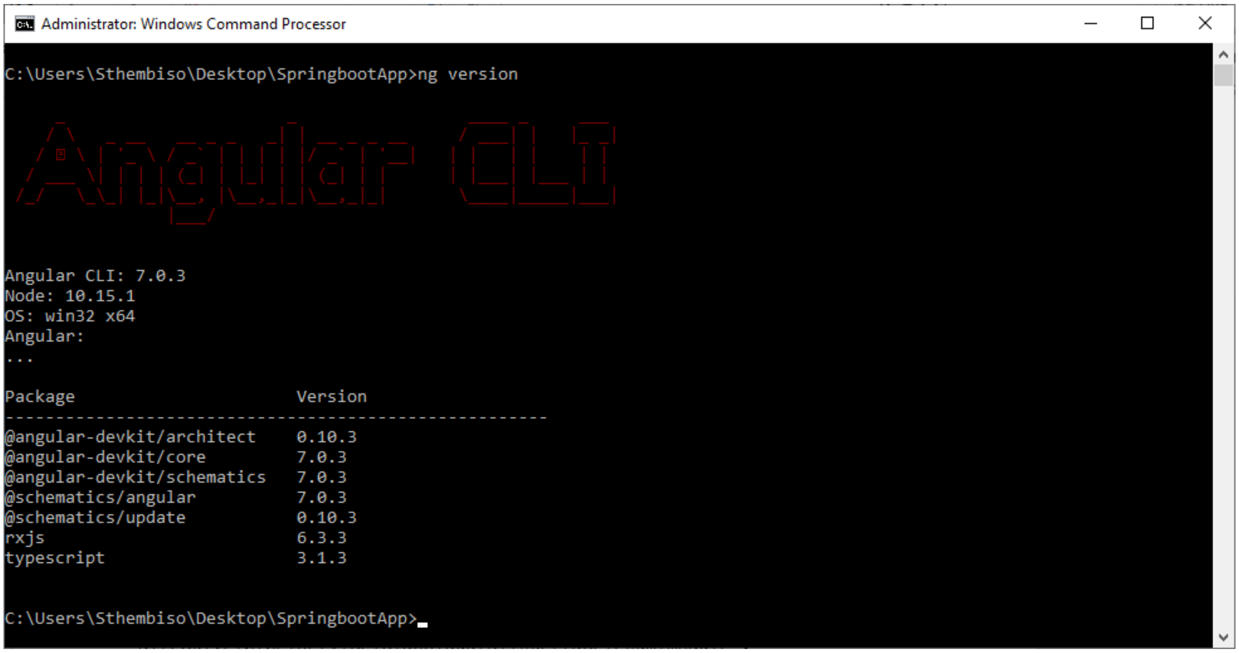
On MacOS or Linux, Run "sudo npm install -g @angular/cli@7.0.3" (Terminal might prompt you for root user password. Enter your root user password to download Angular CLI to your local development)



```
C:\Users\Sthembiso\Desktop\SpringbootApp>npm install -g @angular/cli@7.0.3
```

NPM will download the all the npm packages for you

Run "**ng version**" on your terminal to see the Angular CLI version you have installed



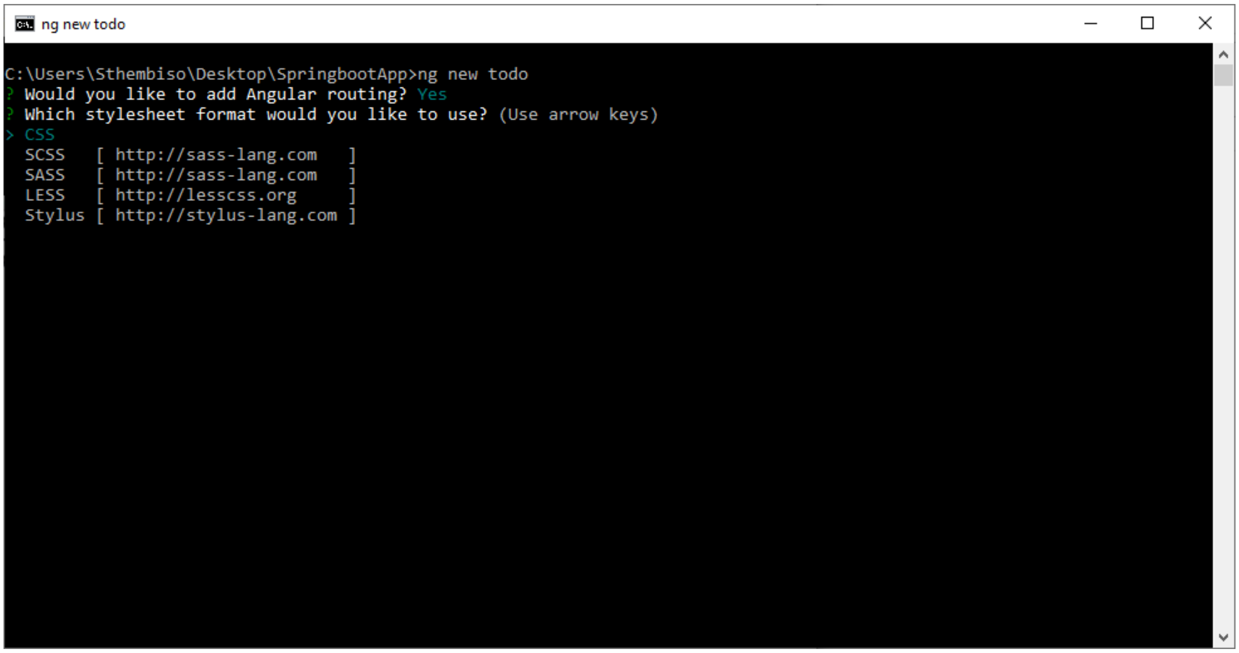
```
C:\Users\Sthembiso\Desktop\SpringbootApp>ng version

Angular CLI: 7.0.3
Node: 10.15.1
OS: win32 x64
Angular:
...

Package                      Version
------------------------------------------------------
@angular-devkit/architect    0.10.3
@angular-devkit/core         7.0.3
@angular-devkit/schematics   7.0.3
@schematics/angular          7.0.3
@schematics/update           0.10.3
rxjs                         6.3.3
typescript                   3.1.3


C:\Users\Sthembiso\Desktop\SpringbootApp>
```

Run ‘**ng new “todo”**’ on your terminal to see the Angular CLI version you have installed

Terminal or Command Prompt will ask you these questions:
For Routing, Choose Yes
? Would you like to add Angular routing? Yes

Choose CSS

? Which stylesheet format would you like to use? CSS



```
C:\Users\Sthembiso\Desktop\SpringbootApp>ng new todo
? Would you like to add Angular routing? Yes
? Which stylesheet format would you like to use? (Use arrow keys)
> CSS
  SCSS   [ http://sass-lang.com   ]
  SASS   [ http://sass-lang.com   ]
  LESS   [ http://lesscss.org     ]
  Stylus [ http://stylus-lang.com ]
```

# When you it’s done installing

Clone the front-end folder from the github repository to your local development environment and unzip it.

Copy the all the files and folders on the front-end folder and replace the file and folders on your todo folder

After replacing the files and folders, navigate to your todo folder with your terminal or command prompt and run the following command

Run “**ng serve**” for a dev server.

Navigate to `http://localhost:4200/` on your internet browser. The app will automatically reload if you change any of the source files.

# The following commands will help you will developing the app

## Code scaffolding

Run `**ng generate component component-name**` to generate a new component. You can also use `ng generate directive|pipe|service|class|guard|interface|enum|module`.

## Build

Run `**ng build**` to build the project. The build artifacts will be stored in the `dist/` directory. Use the `--prod` flag for a production build.

## Running unit tests

Run `**ng test**` to execute the unit tests via [Karma](https://karma-runner.github.io).

## Running end-to-end tests

Run `**ng e2e**` to execute the end-to-end tests via [Protractor](http://www.protractortest.org/).

## Further help

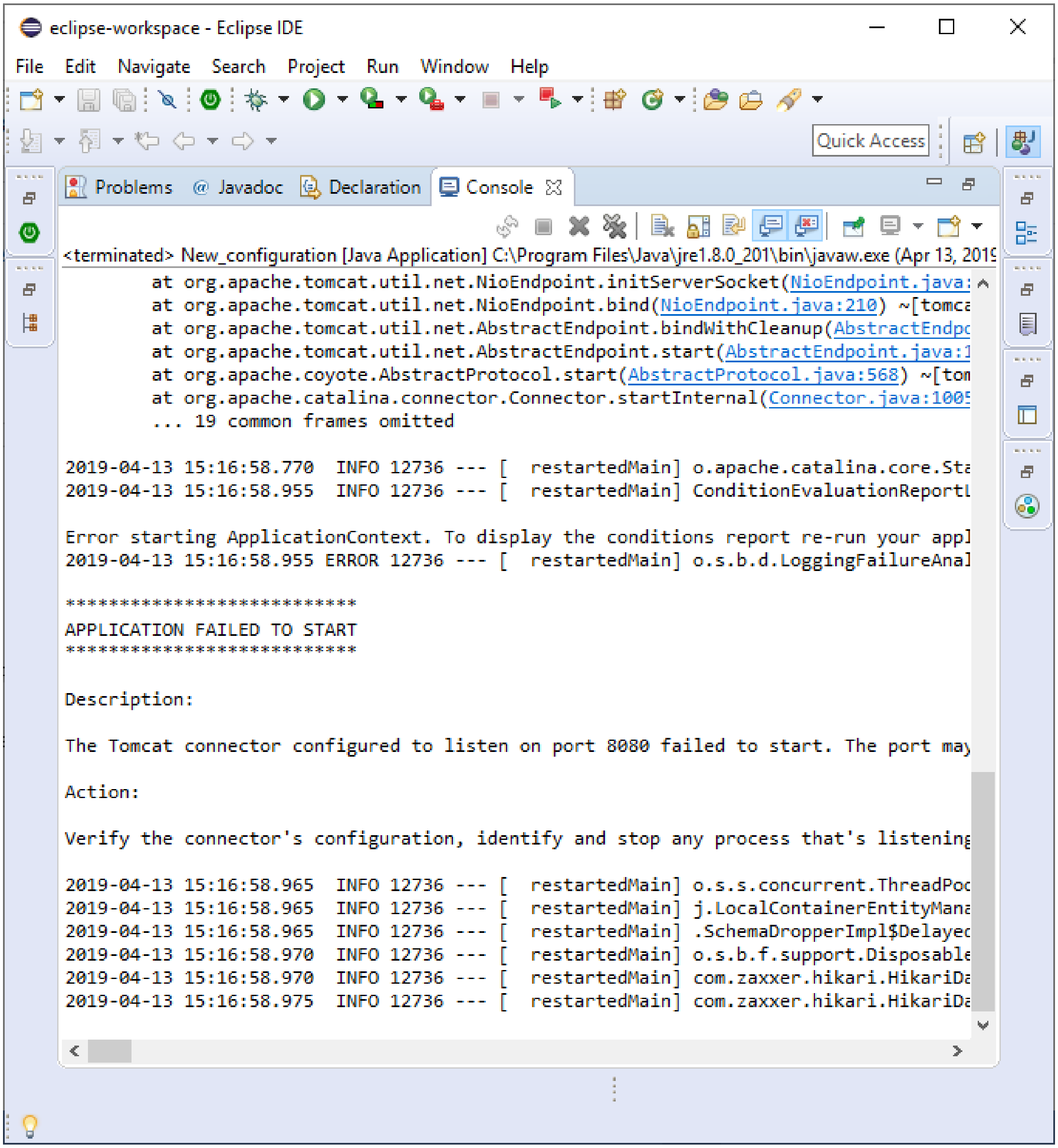
To get more help on the Angular CLI use `ng help` or go check out the [Angular CLI README](https://github.com/angular/angular-cli/blob/master/README.md).

Restful Web Service

Clone the Restful-service from the repository and unzip it

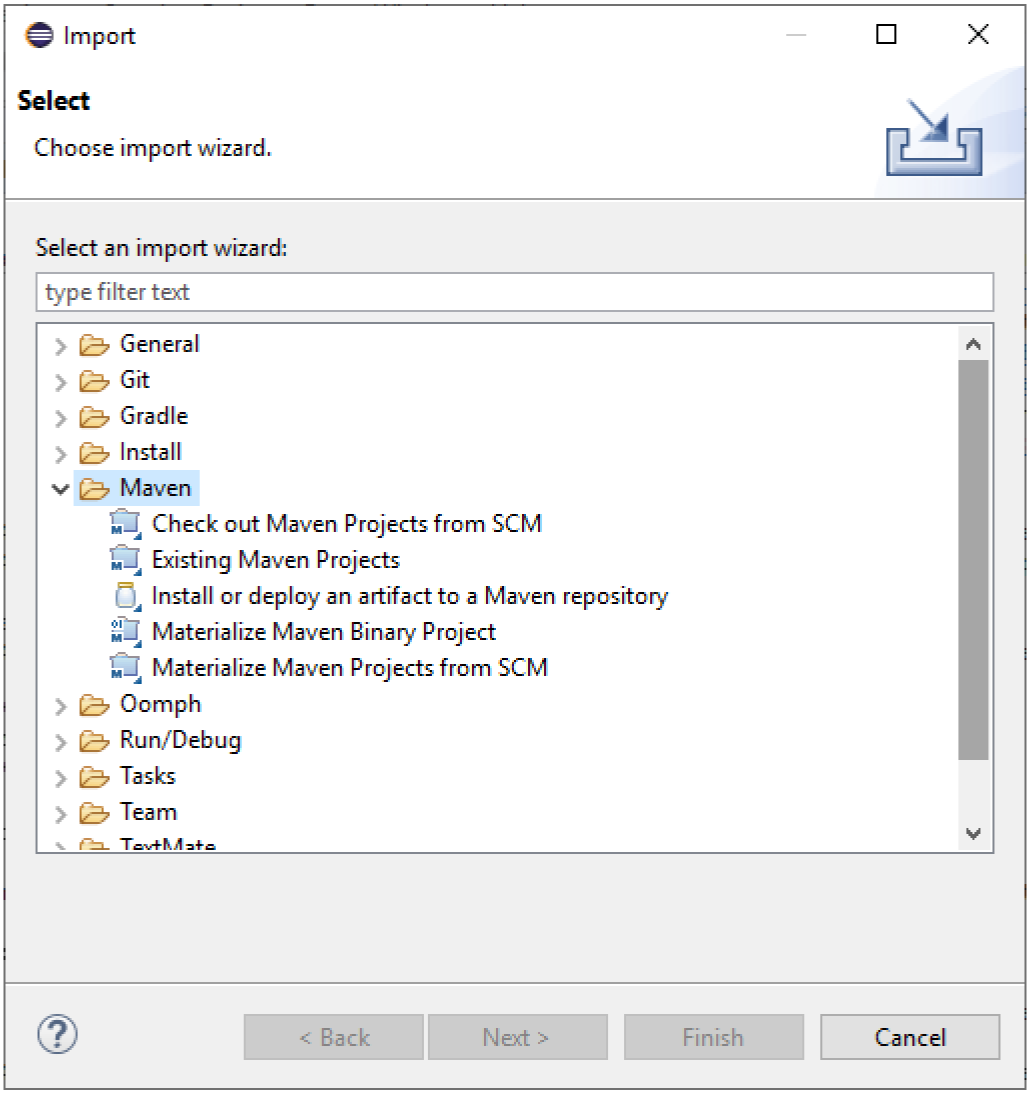
- Download and install Java JDK(Java Development Kit) https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html
- Download and Install Eclipse https://www.eclipse.org/downloads/

1. Open Eclipse
2. Navigate to File then click Import



```
<terminated> New_configuration [Java Application] C:\Program Files\Java\jre1.8.0_201\bin\javaw.exe (Apr 13, 2019
        at org.apache.tomcat.util.net.NioEndpoint.initServerSocket(NioEndpoint.java:
        at org.apache.tomcat.util.net.NioEndpoint.bind(NioEndpoint.java:210) ~[tomca
        at org.apache.tomcat.util.net.AbstractEndpoint.bindWithCleanup(AbstractEndpo
        at org.apache.tomcat.util.net.AbstractEndpoint.start(AbstractEndpoint.java:1
        at org.apache.coyote.AbstractProtocol.start(AbstractProtocol.java:568) ~[tom
        at org.apache.catalina.connector.Connector.startInternal(Connector.java:1005
        ... 19 common frames omitted

2019-04-13 15:16:58.770  INFO 12736 --- [  restartedMain] o.apache.catalina.core.Sta
2019-04-13 15:16:58.955  INFO 12736 --- [  restartedMain] ConditionEvaluationReportL

Error starting ApplicationContext. To display the conditions report re-run your appl
2019-04-13 15:16:58.955 ERROR 12736 --- [  restartedMain] o.s.b.d.LoggingFailureAnal

***************************
APPLICATION FAILED TO START
***************************

Description:

The Tomcat connector configured to listen on port 8080 failed to start. The port may

Action:

Verify the connector's configuration, identify and stop any process that's listening

2019-04-13 15:16:58.965  INFO 12736 --- [  restartedMain] o.s.s.concurrent.ThreadPoo
2019-04-13 15:16:58.965  INFO 12736 --- [  restartedMain] j.LocalContainerEntityMana
2019-04-13 15:16:58.965  INFO 12736 --- [  restartedMain] .SchemaDropperImpl$Delayed
2019-04-13 15:16:58.970  INFO 12736 --- [  restartedMain] o.s.b.f.support.Disposable
2019-04-13 15:16:58.970  INFO 12736 --- [  restartedMain] com.zaxxer.hikari.HikariDa
2019-04-13 15:16:58.975  INFO 12736 --- [  restartedMain] com.zaxxer.hikari.HikariDa
```

3.
4. Navigate to Maven, Click Existing Maven Projects



5.
6. In Root Directory, browse to where you unzipped the restful service and import the folder. It will download all the plugins and dependencies needed to run the restful-web services

7. Click Run when it's done downloading the plugins and dependencies