

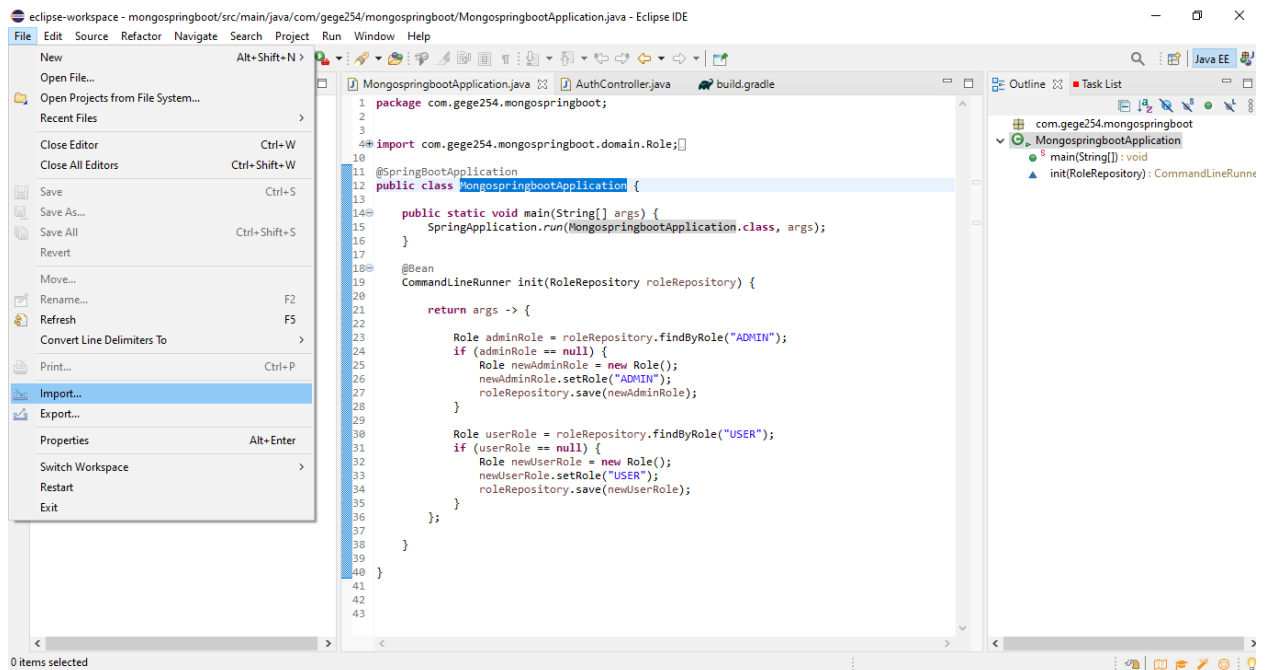
## Detailed steps on running the Spring Boot application

Before importing the application on eclipse you need the following:

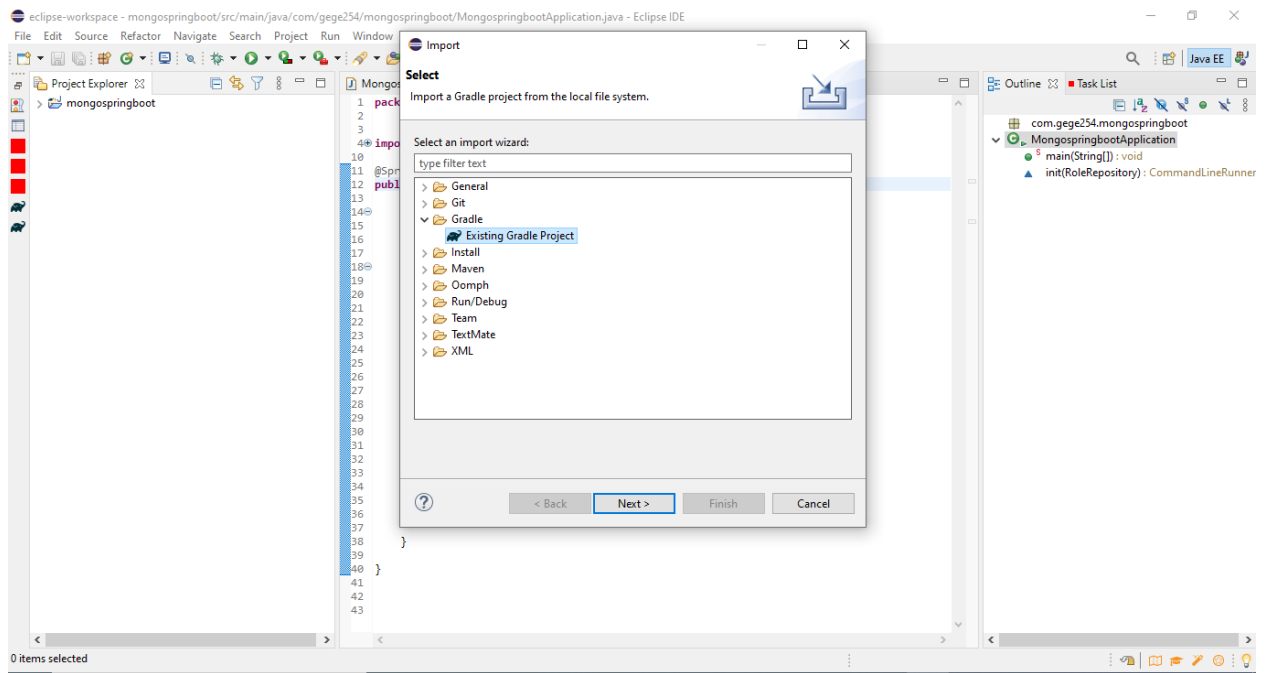
1. Mongo dB running on either locally or using the atlas mongo dB since this application will be using this NoSQL database.
2. Make sure your eclipse can run gradle since this application will was built on gradle.

## Steps to run the spring boot application on eclipse

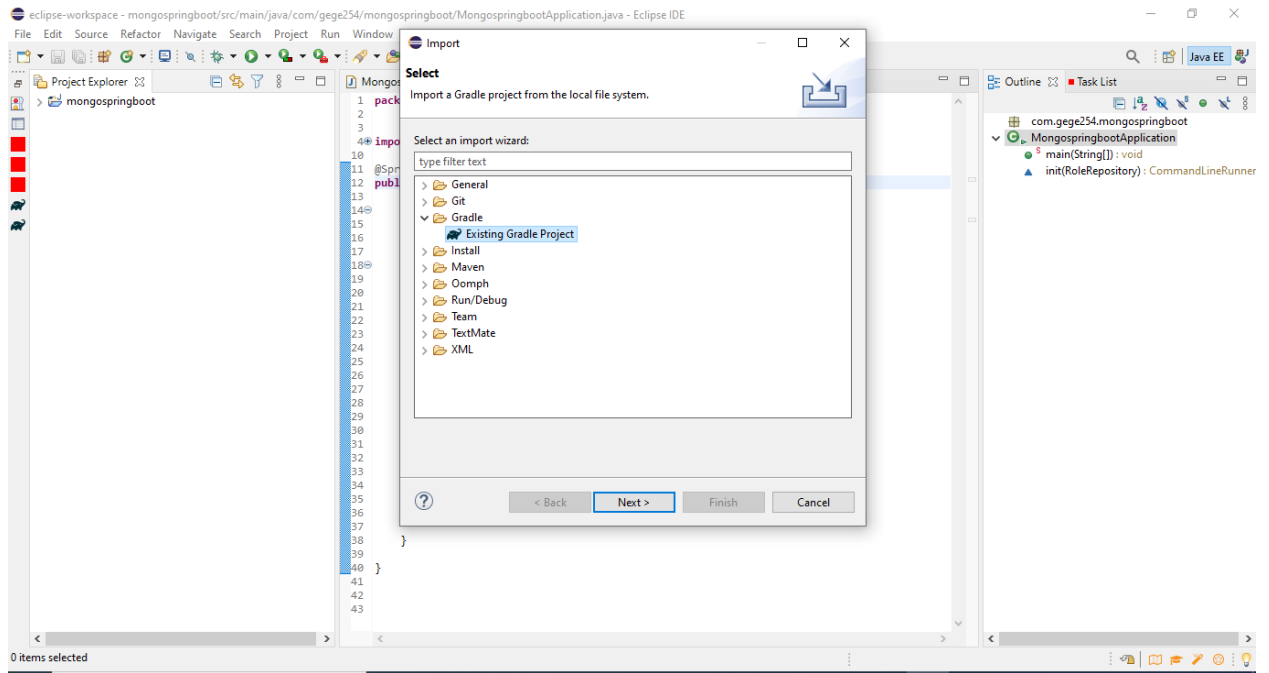
1. Open eclipse IDE and click on the file on the top left corner and head to the import and click to import the folder as shown on the image below.



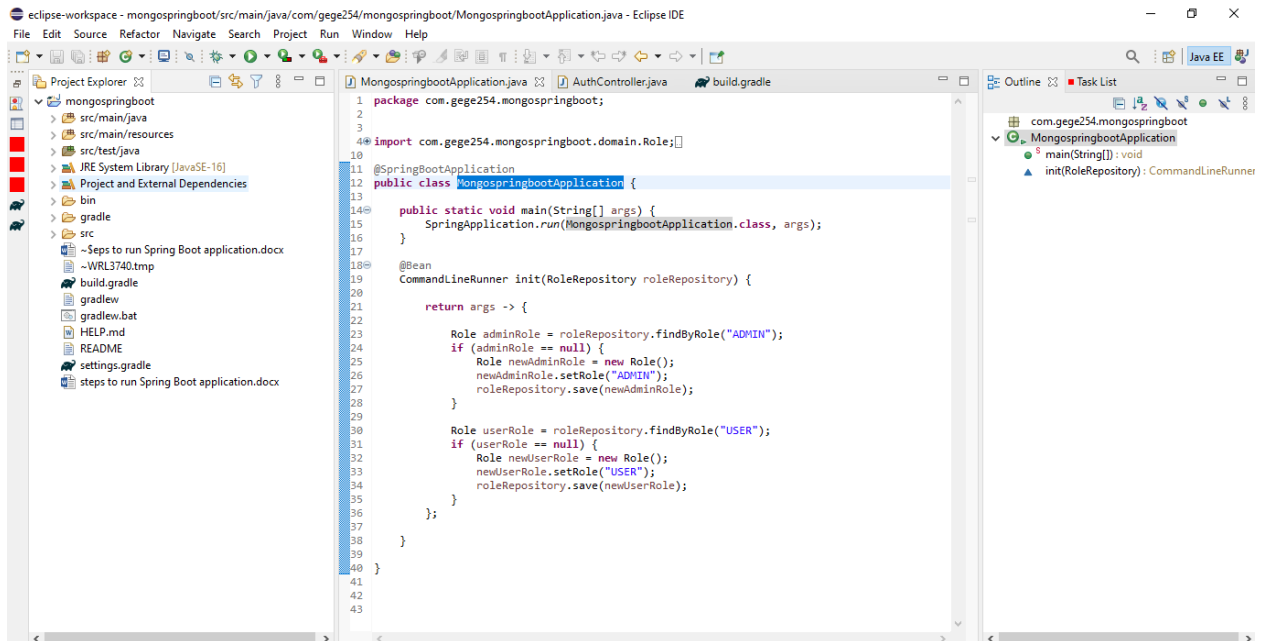
2. Once you have clicked the import button choose the gradle folder and when you expand it choose the existing gradle project and click next.



3. Click next until you find the window below to go browse the area where your spring boot folder is stored. After that click finish to open the project on your Eclipse IDE.



4. Make sure you have internet connection since the application will download the dependencies from the built gradle thus it time until all the gradle has built all the dependencies until you do not see any errors on your project as seen below. Now you are ready to run the application

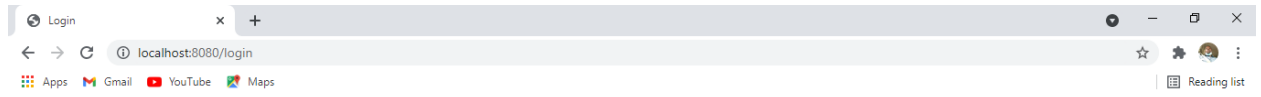


- Now click on the green arrow named run to run the application and the terminal console should bring something like the image below to show that the application started successfully. Kindly note the console may be below the IDE not necessary should be where mine is located.

The screenshot shows the Eclipse IDE interface. The top menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The toolbar contains various icons for file operations and development tools. The main editor area is split into two panes. The left pane shows the 'MongospringbootApplication' class with its package structure and imports. The right pane shows the 'Role' class with its methods. The bottom pane is the 'Console' view, which displays the output of the application. The output shows the application starting successfully, with the following log messages:

```
2021-07-25 15:43:30.153 INFO 9184 --- [main]
o.s.b.w.e.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http)
with context path ''
2021-07-25 15:43:30.169 INFO 9184 --- [main]
c.g.m.MongospringbootApplication : Started MongospringbootApplication in
6.482 seconds (JVM running for 7.32)
2021-07-25 15:43:30.287 INFO 9184 --- [main]
org.mongodb.driver.connection : Opened connection [connectionId
{localValue:3, serverValue:0}] to localhost:27017
```

6. Now launch any of your browser and type localhost:8080 as shown below to start the application on a browser as shown below. If your browser windows show you the interface below you are ready to use the application. Click the blue button with label here to either log in or sign into the application.

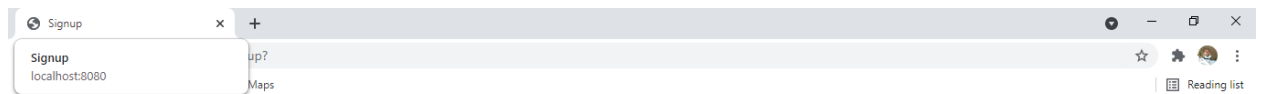


**Please Log in**

Email address

Password

[Log in](#) [Not a Member:](#) [SignUp](#)



**Signup Here**

Email

Password

Confirm Password

Full Name

[SignUp](#) [Already SignUp:](#) [Login](#)

User: erickgegel16@gmail.com

## Binary to Octal and Decimal Conversion

Input Number :

**Results in Binary and octal**

Binary number

Octal Number

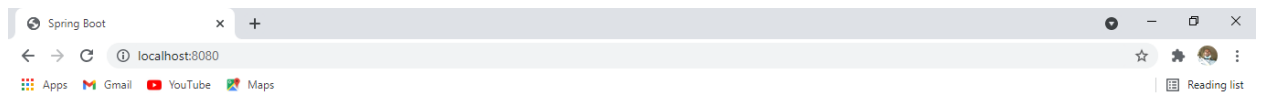
Input Number :

**Results in Binary and octal**

**User Statistics**

Binary Number

Octal Number



## Number Conversion System

Click [here](#) to see a greeting.