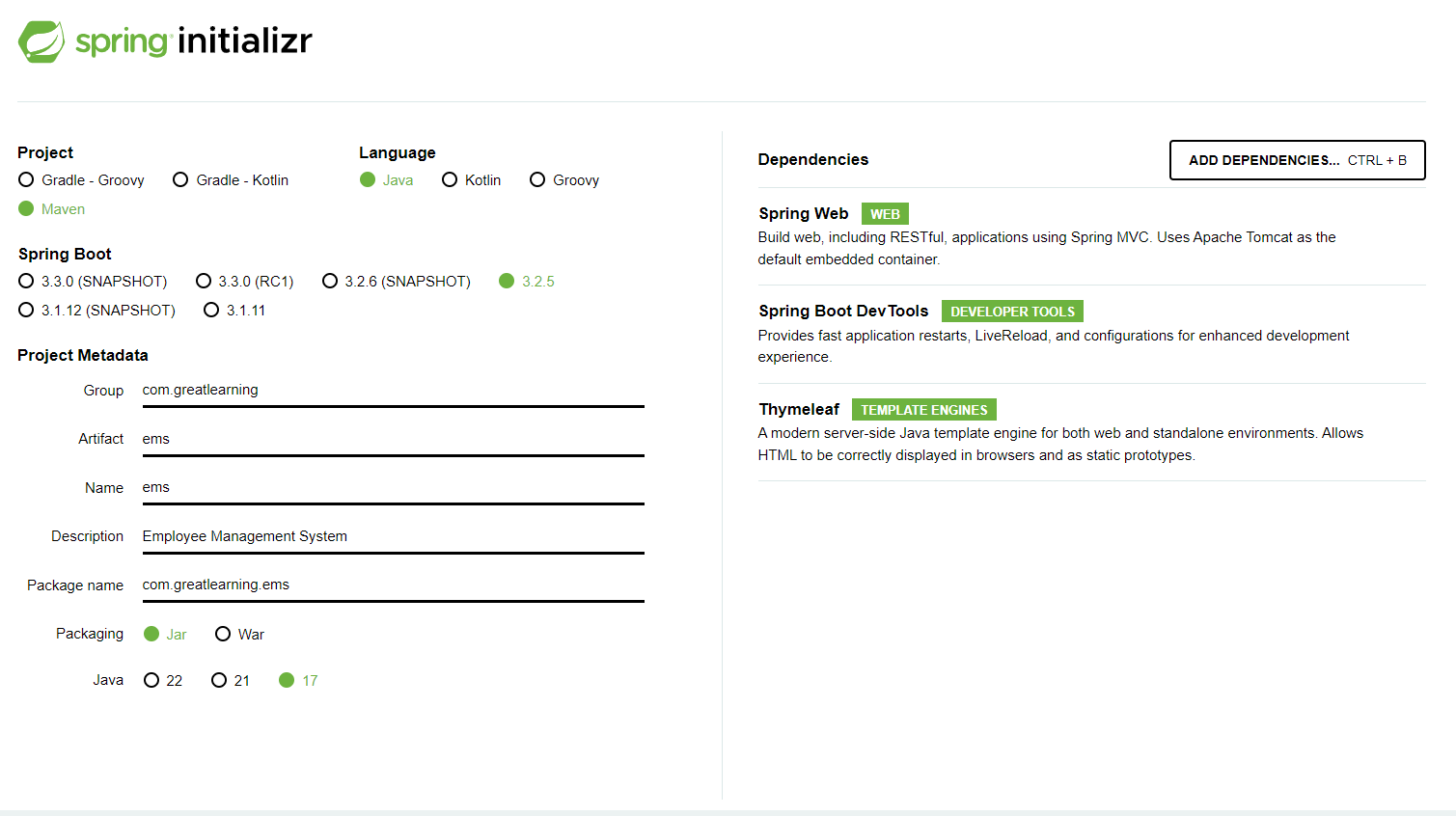
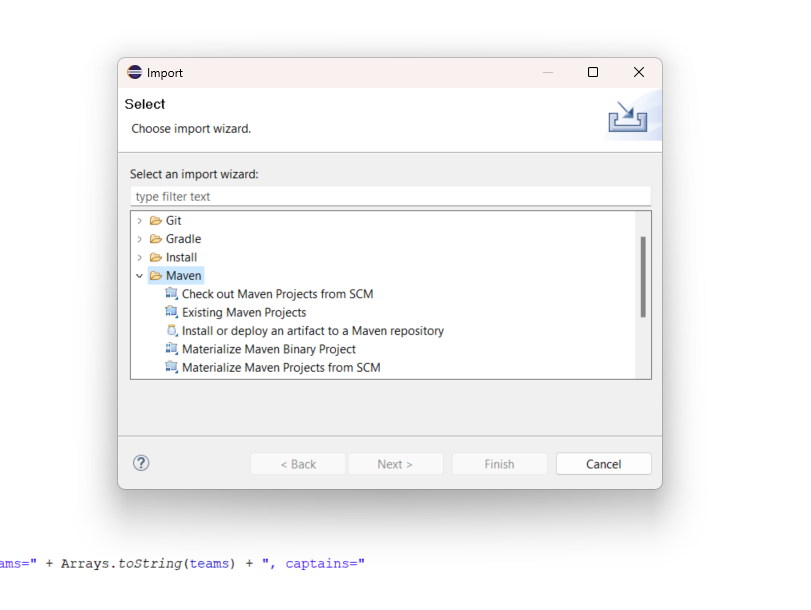
Project Setup

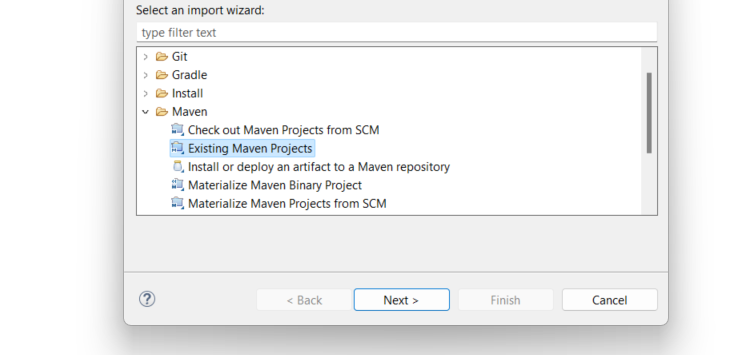
<https://start.spring.io/>

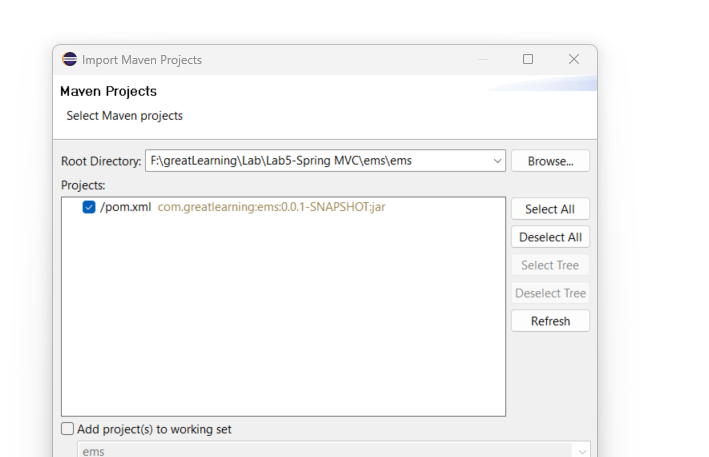


In eclipse

File -> import







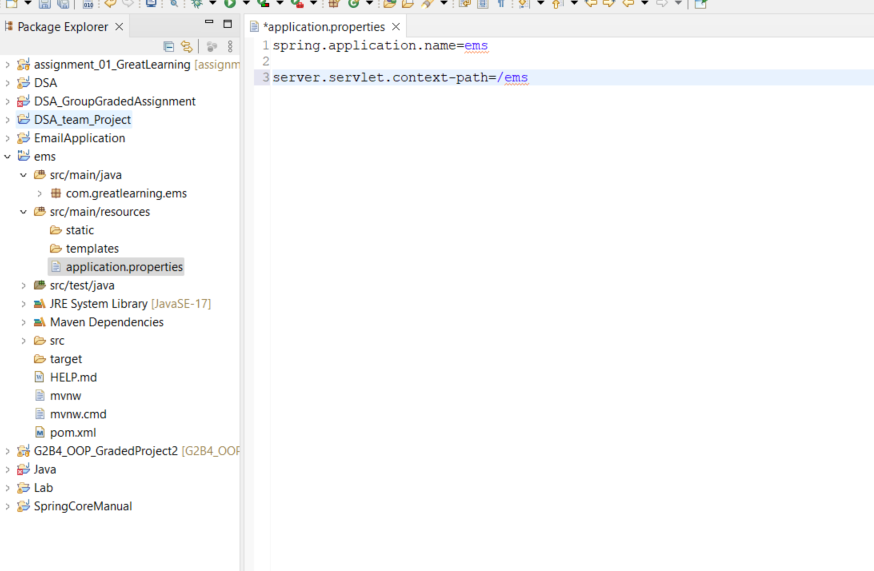
Welcome Page

* Context path config
  + application.properties
* Port no config
  + application.properties
* Support for controller component
  + com.greatlearning.ems.controller.WelcomeController
* Addition of welcome page
  + welcome-page.html

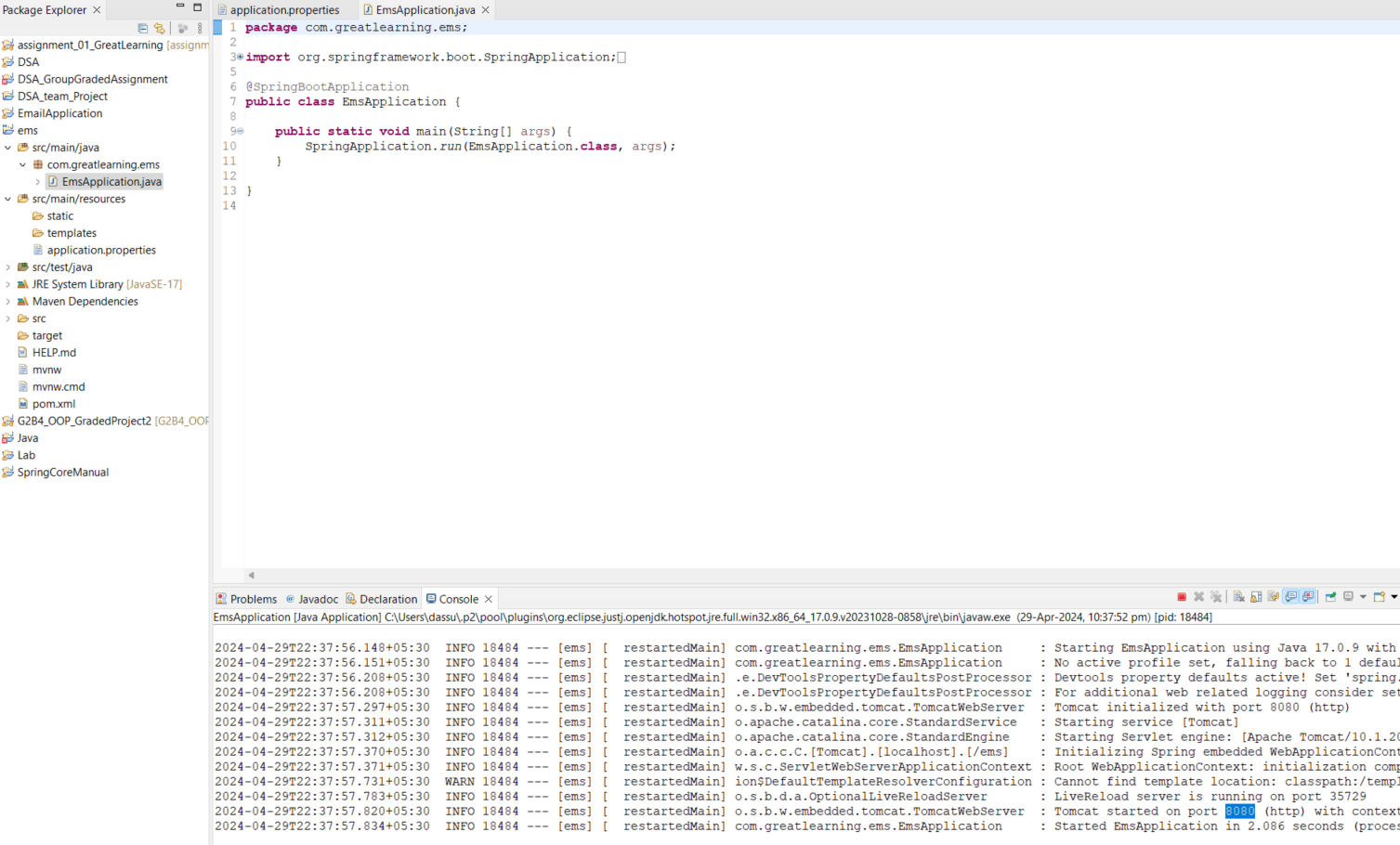
Application url : <http://localhost:5555/ems/welcome>

**Context path configuration**

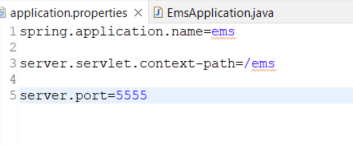
1. Change in application.properties



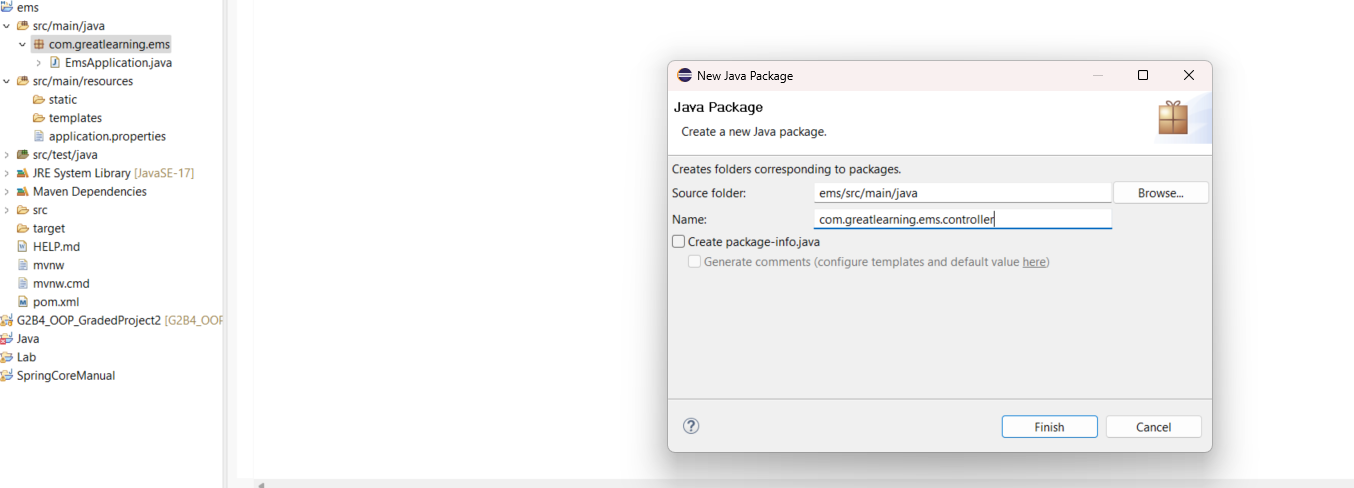
Default port is :8080

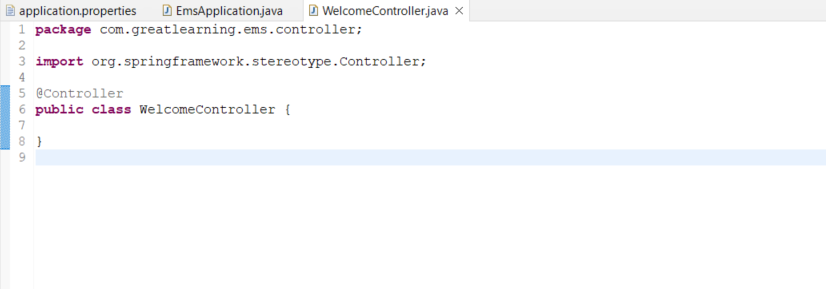


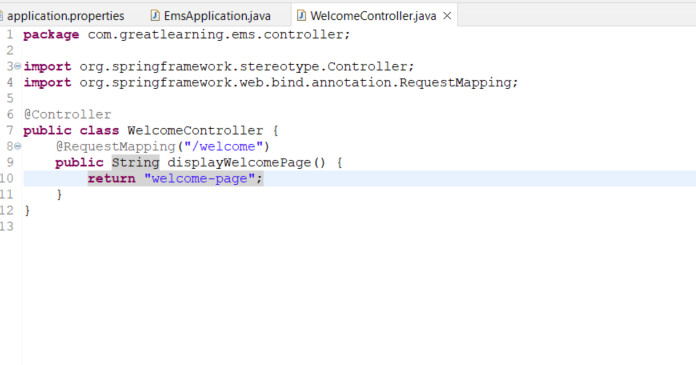
1. Change port no



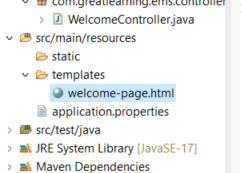
Create a controller



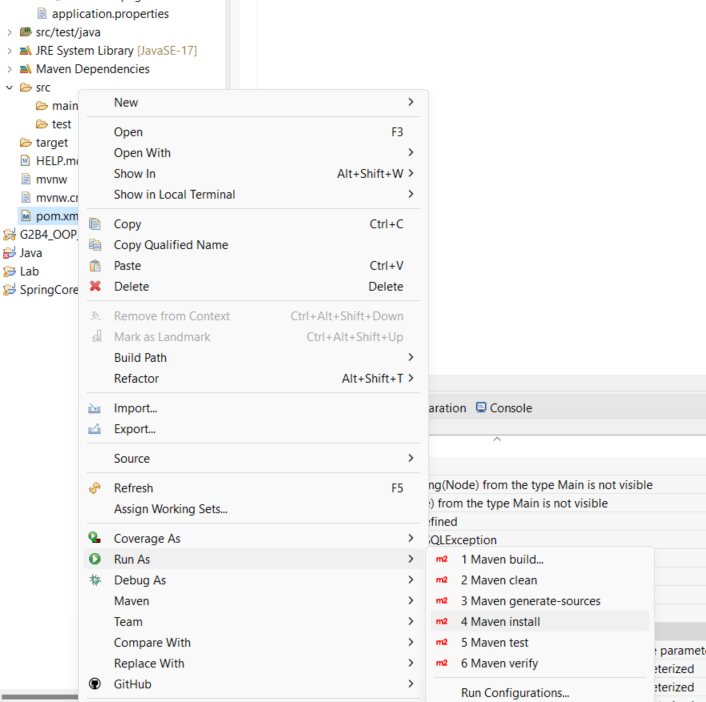




Create new file



Add content to html page and then



Backend

* Adding libraries for MySql
  + pom.xml

<https://mvnrepository.com/artifact/com.mysql/mysql-connector-j>

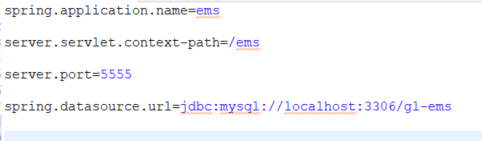
get the content from any version and add it in pom.xml

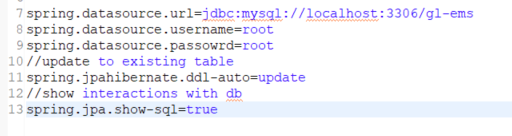
Remove version from the content(not required – if require any specific version , can use)

* + <https://mvnrepository.com/artifact/org.springframework.boot/spring-boot-starter-data-jpa>

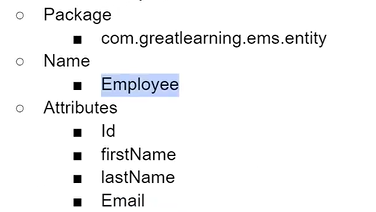
Add content from this too in pom.xml

* Adding libraries for MySql
  + application.properties





* Create database in MySql
* Addition of Entity class



* Addition of repository interface



* Service Objects

Interface

package

com.greatlearning.ems.service

Class

EmployeeService

Methods

listEmployees()

Implementation

package

com.greatlearning.ems.impl

Class

EmployeeServiceImpl

Methods

listEmployees()

* Controller
* Creation of following controller class

com.greatlearning.ems.controller.EmployeeController

**Frontend**

<http://localhost:5555/ems/employees/list>

Creation of Html file

SELECT \* FROM `gl-ems`.employees;

delete from employees where id=1;

deleting as by default it will create a row

**Fix**

org.springframework.boot.test.autoconfigure.properties.PropertyMappingContextCustomizer@0, org.springframework.boot.test.autoconfigure.web.servlet.WebDriverContextCustomizer@53de625d, org.springframework.boot.test.context.SpringBootTestAnnotation@1c0fc7f7], resourceBasePath = "src/main/webapp", contextLoader = org.springframework.boot.test.context.SpringBootContextLoader, parent = null][m

[INFO]

[ERROR] [1;31mTests run: 1, Failures: 0, Errors: 1, Skipped: 0[m

[INFO]

[INFO] [1m------------------------------------------------------------------------[m

[INFO] [1;31mBUILD FAILURE[m

[INFO] [1m------------------------------------------------------------------------[m

[INFO] Total time: 7.098 s

[INFO] Finished at: 2024-05-01T12:50:04+05:30

[INFO] [1m------------------------------------------------------------------------[m

[ERROR] Failed to execute goal [32morg.apache.maven.plugins:maven-surefire-plugin:3.1.2:test[m [1m(default-test)[m on project [36mems[m: [1;31m[m

[ERROR] [1;31m[m

[ERROR] [1;31mPlease refer to F:\greatLearning\Lab\Lab5-Spring MVC\ems\ems\target\surefire-reports for the individual test results.[m

[ERROR] [1;31mPlease refer to dump files (if any exist) [date].dump, [date]-jvmRun[N].dump and [date].dumpstream.[m

[ERROR] -> [1m[Help 1][m

[ERROR]

[ERROR] To see the full stack trace of the errors, re-run Maven with the [1m-e[m switch.

[ERROR] Re-run Maven using the [1m-X[m switch to enable full debug logging.

[ERROR]

[ERROR] For more information about the errors and possible solutions, please read the following articles:

[ERROR] [1m[Help 1][m <http://cwiki.apache.org/confluence/display/MAVEN/MojoFailureException>

<https://stackoverflow.com/questions/65903358/test-failure-java-lang-illegalstateexception-failed-to-load-applicationcontex>

