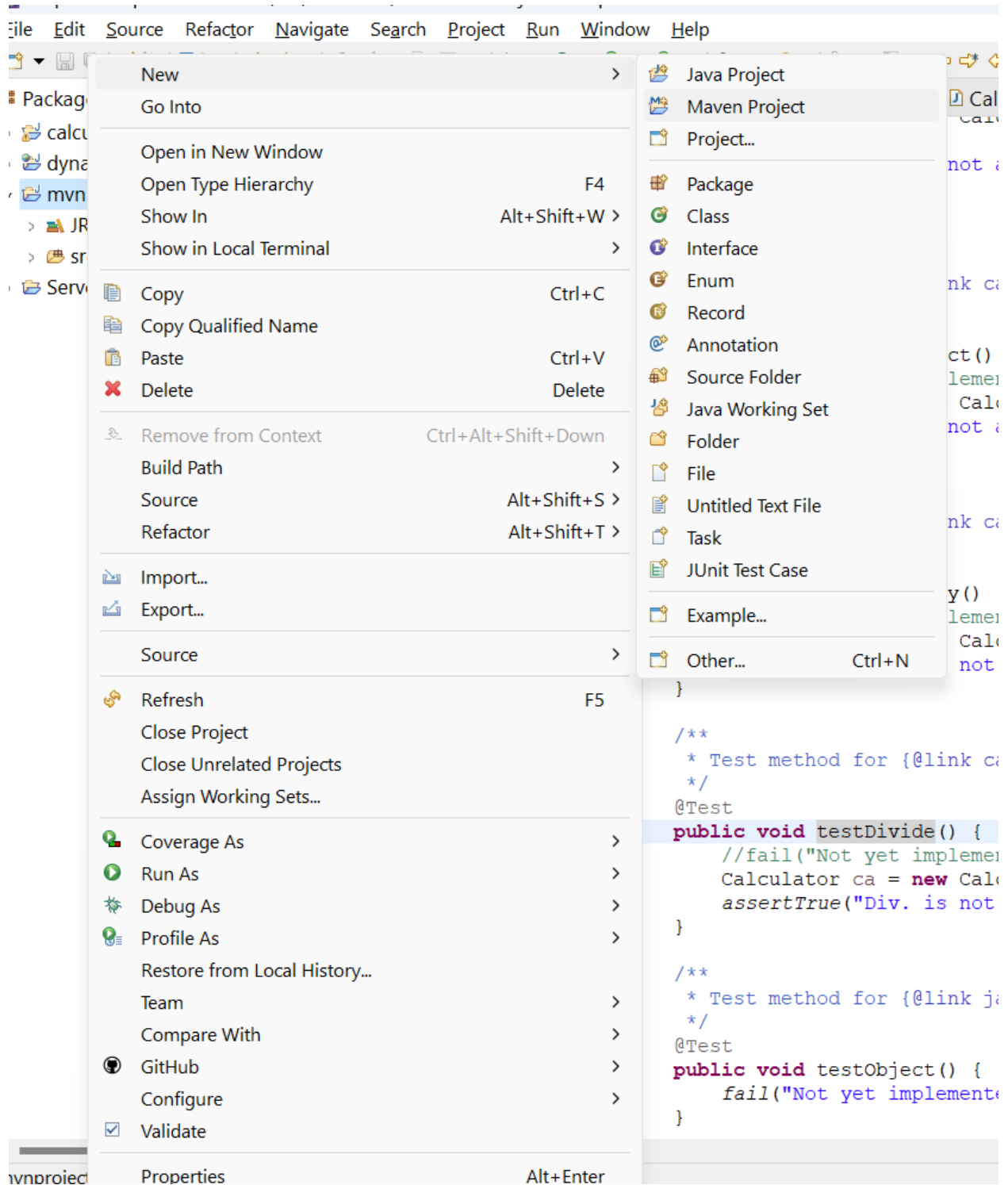
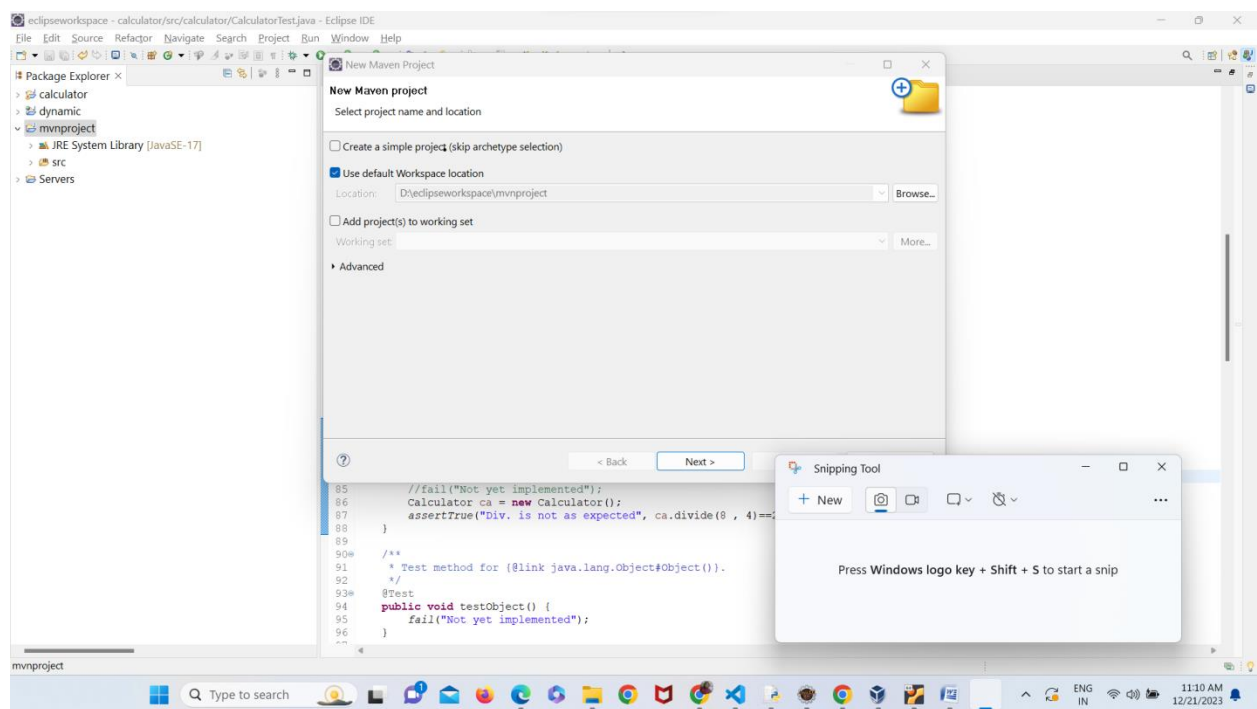
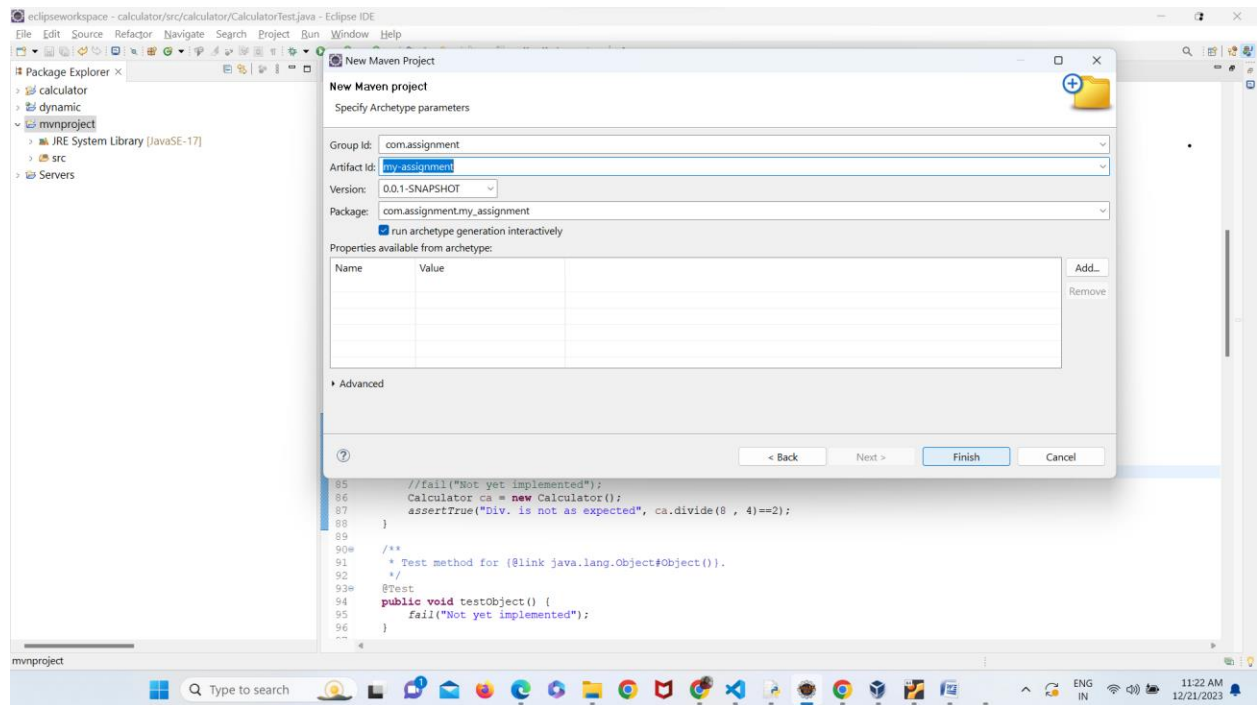


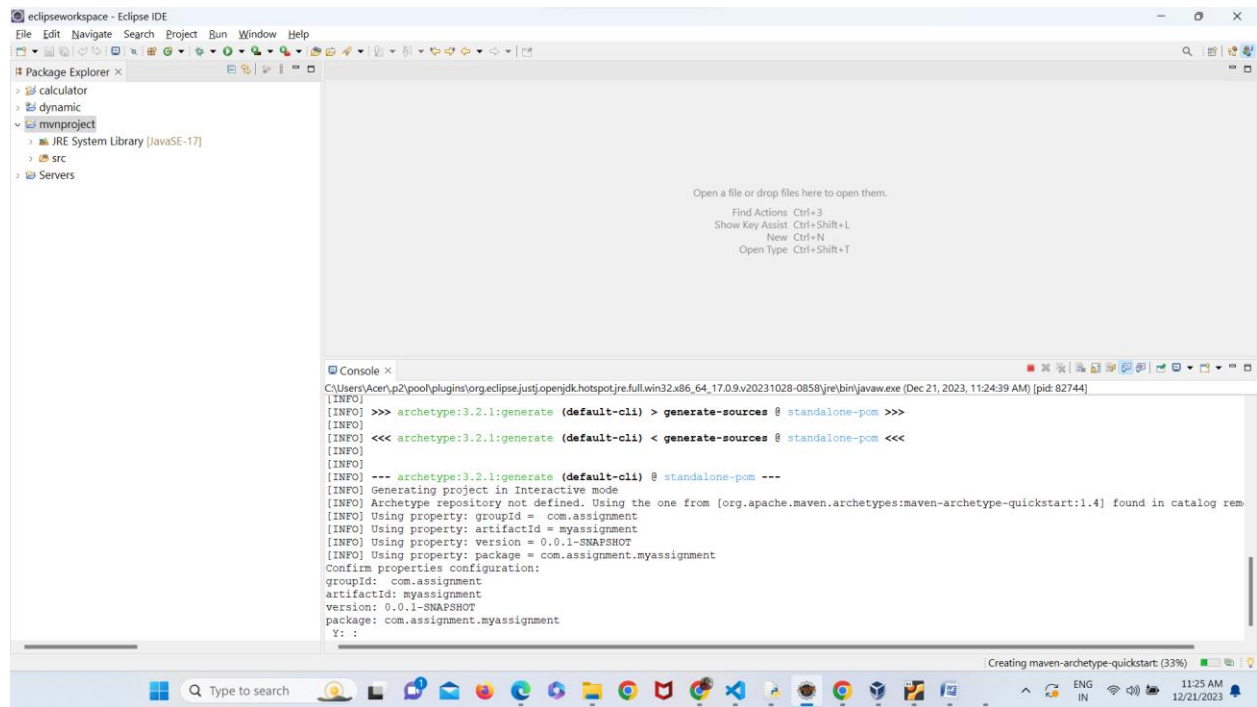


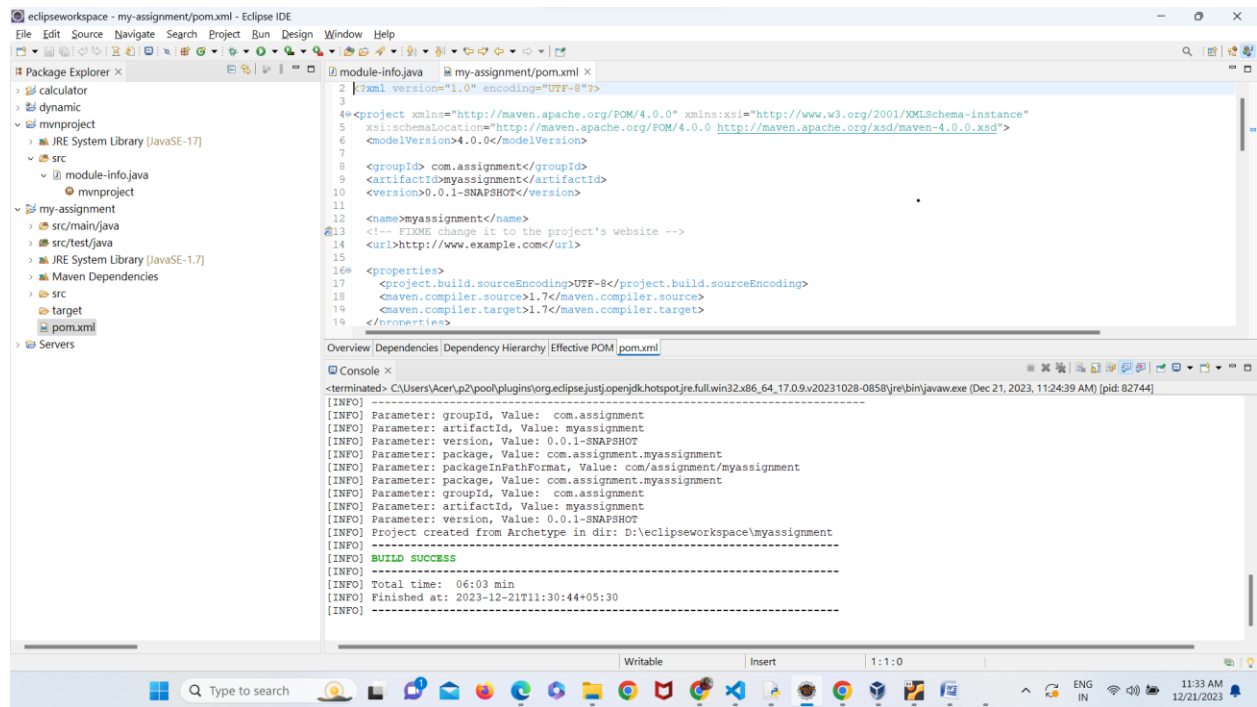
## Assignment 1











eclipseworkspace - my-assignment/pom.xml - Eclipse IDE

File Edit Source Refactor Source Navigate Search Project Run Design Window Help

Package Explorer ×

- > calculator
- > dynamic
- ▼ mvnproject
  - > JRE System Library [JavaSE-17]
  - ▼ src
    - ▼ module-info.java
    - mvnproject
- ▼ my-assignment
  - > src/main/java
  - > src/test/java
  - > JRE System Library [JavaSE-1.7]
  - > Maven Dependencies
  - > src
  - > target
    - pom.xml
- > Servers

Edit Configuration

Edit configuration and launch.

Name: my-assignment (14)

Main JRE Refresh Source Environment

Base directory:

\${project\_loc:my-assignment}

Goals: clean

Profiles: package

User settings: C:\Users\Acer\.m2\settings.xml

☐ Offline ☐ Update Snaps

☐ Debug Output ☐ Skip Tests

☐ Resolve Workspace artifacts

Threads: 1



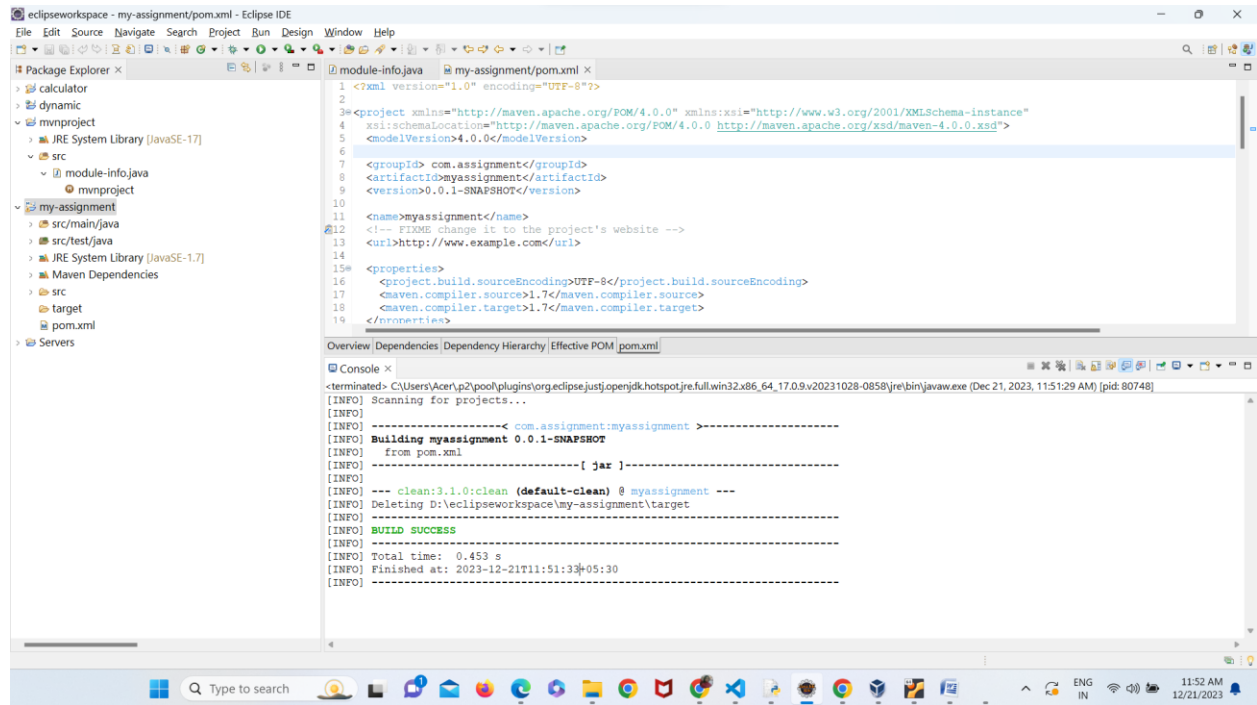
```
[INFO]
[INFO] --- clean:3.1.0:clean (default-cle
[INFO] Deleting D:\eclipseworkspace\my-as
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.455 s
[INFO] Finished at: 2023-12-21T11:56:19+0
[INFO] -----
[WARNING] The requested profile "package"
```

my-assignment

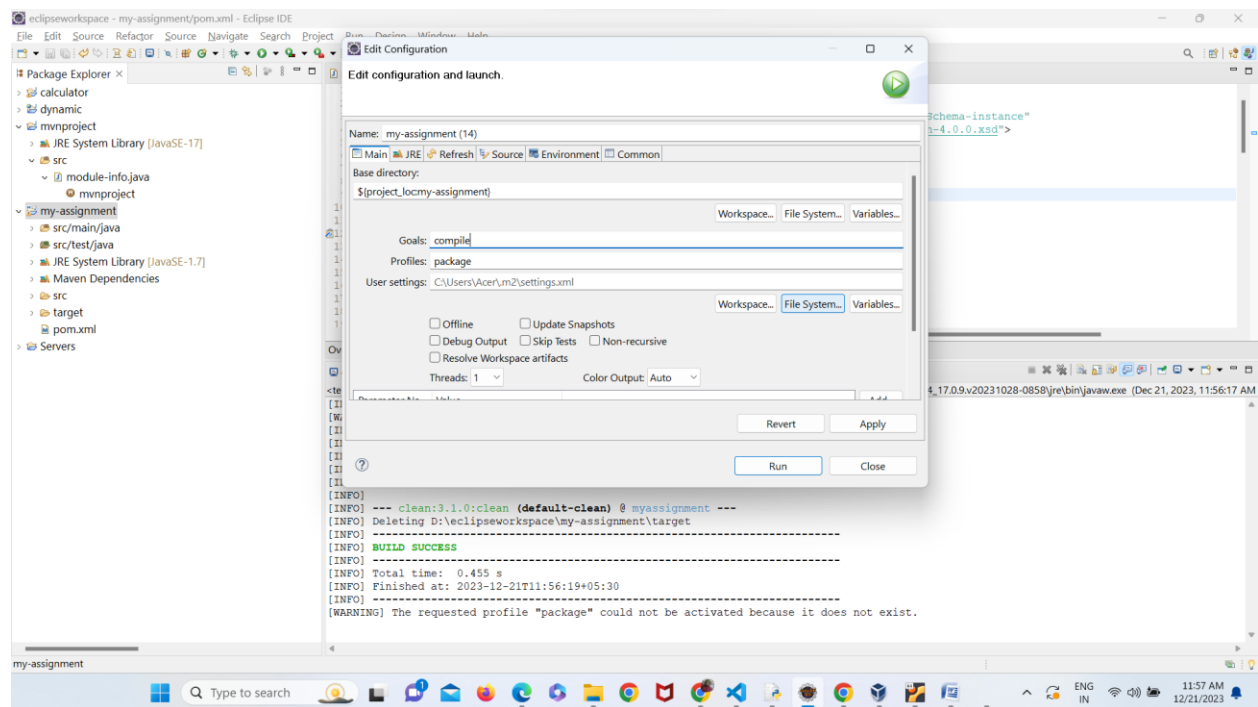


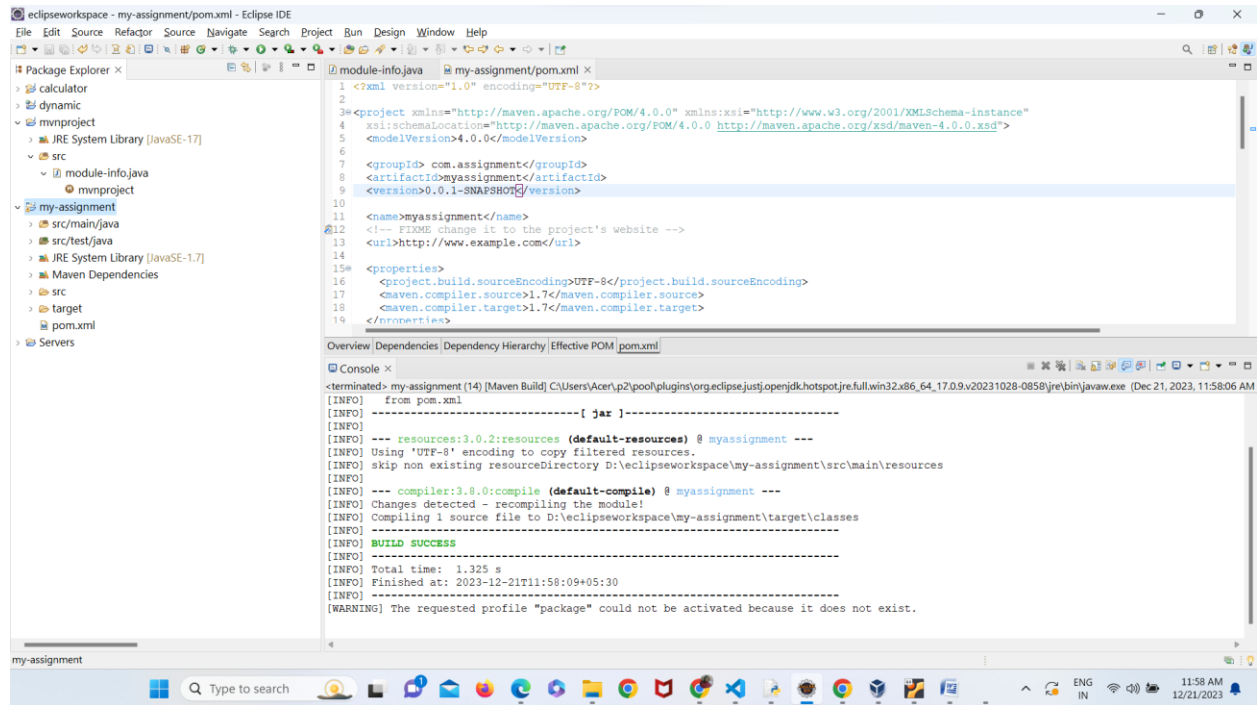
Type to search

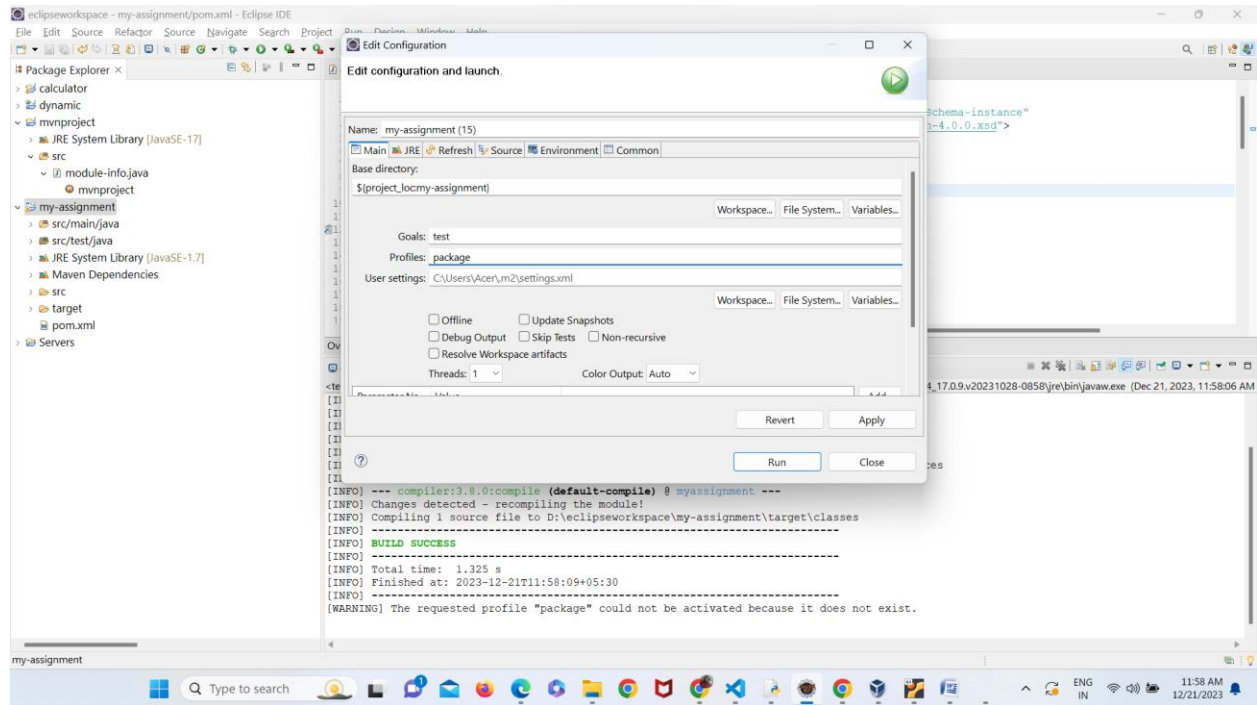












Eclipse IDE workspace - my-assignment/pom.xml - Eclipse IDE

File Edit Source Refactor Source Navigate Search Project Run Design Window Help

Package Explorer

- calculator
- dynamic
- mvnproject
  - JRE System Library [JavaSE-17]
  - src
    - module-info.java
    - mvnproject
- my-assignment
  - src/main/java
  - src/test/java
  - JRE System Library [JavaSE-1.7]
  - Maven Dependencies
  - src
  - target
  - pom.xml
- Servers

module-info.java my-assignment/pom.xml

```
1 <?xml version="1.0" encoding="UTF-8"?>
2
3 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4   xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
5   <modelVersion>4.0.0</modelVersion>
6
7   <groupId>com.assignment</groupId>
8   <artifactId>myassignment</artifactId>
9   <version>0.0.1-SNAPSHOT</version>
10
11   <name>myassignment</name>
12   <!-- FIXME change it to the project's website -->
13   <url>http://www.example.com</url>
14
15   <properties>
16     <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
17     <maven.compiler.source>1.7</maven.compiler.source>
18     <maven.compiler.target>1.7</maven.compiler.target>
19   </properties>
```

Overview | Dependencies | Dependency Hierarchy | Effective POM | pom.xml

Console

```
<terminated> my-assignment (15) [Maven Build] C:\Users\Acer\p2\pool\plugins\org.eclipse.jst.openjdk\hotspot\jre.full.win32.x86_64.17.0.9.v20231028-0858\jre\bin\javaw.exe (Dec 21, 2023, 11:59:31 AM)
[INFO] --- surefire:2.22.1:test (default-test) @ myassignment ---
[INFO]
[INFO] T E S T S
[INFO]
[INFO] Running com.assignment.myassignment.AppTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.037 s - in com.assignment.myassignment.AppTest
[INFO] Results:
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 3.262 s
[INFO] Finished at: 2023-12-21T11:59:36+05:30
[INFO]
```

my-assignment

Type to search

ENG IN 11:59 AM 12/21/2023

## Assingment 2

The screenshot shows the Spring Initializr web application in a browser. The browser's address bar displays 'start.spring.io'. The page features the Spring logo and a hamburger menu icon on the left. The main content area is divided into three sections: 'Project', 'Language', and 'Dependencies'. The 'Project' section includes radio buttons for 'Gradle - Groovy', 'Gradle - Kotlin', and 'Maven' (selected). The 'Language' section includes radio buttons for 'Java' (selected), 'Kotlin', and 'Groovy'. The 'Spring Boot' section includes radio buttons for '3.2.1 (SNAPSHOT)', '3.2.0' (selected), and '3.1.7 (SNAPSHOT)'. The 'Project Metadata' section includes input fields for 'Group' (com.star.agile.assignment), 'Artifact' (springboot-demo), and 'Name' (springboot-demo). The 'Dependencies' section includes a button 'ADD DEPENDENCIES... CTRL + B' and two dependency cards: 'Spring Web' (WEB) and 'Spring Data JPA' (SQL). At the bottom, there are three buttons: 'GENERATE CTRL + G', 'EXPLORE CTRL + SPACE', and 'SHARE...'. The browser's taskbar at the bottom shows various application icons and the system clock indicating 5:10 PM on 12/21/2023.

SA231 | Maven | GitHub | DevC | GitHub | Java P | calcul | Centri | Down | Spring | Spring | index | localh | S | x | + | - | X

start.spring.io

Finish update

spring initializr

**Project**

☐ Gradle - Groovy

☐ Gradle - Kotlin

☒ Maven

**Language**

☒ Java

☐ Kotlin

☐ Groovy

**Spring Boot**

☐ 3.2.1 (SNAPSHOT)

☒ 3.2.0

☐ 3.1.7 (SNAPSHOT)

☐ 3.1.6

**Project Metadata**

Group

Artifact

Name

**Dependencies**

ADD DEPENDENCIES... CTRL + B

**Spring Web** WEB

Build web, including RESTful, applications using Spring MVC. Uses Apache Tomcat as the default embedded container.

**Spring Data JPA** SQL

Persist data in SQL stores with Java Persistence API using Spring Data and Hibernate.

GENERATE CTRL + G

EXPLORE CTRL + SPACE

SHARE...

ENG IN 5:10 PM 12/21/2023

SAZ31MaverGitHubDevOjGitHubJava PcalculiCentriDownSpringSpringindexlocalhSx+--X

start.spring.io

Finish update

springboot-demo.zip

.gitignore

mvn

HELP.md

mvnw

mvnw.cmd

pom.xml

src

DOWNLOADCOPY

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3   xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
4   <modelVersion>4.0.0</modelVersion>
5   <parent>
6     <groupId>org.springframework.boot</groupId>
7     <artifactId>spring-boot-starter-parent</artifactId>
8     <version>3.2.0</version>
9     <relativePath><!-- Lookup parent from repository -->
10    </parent>
11    <groupId>com.star.agile.assignment</groupId>
12    <artifactId>springboot-demo</artifactId>
13    <version>0.0.1-SNAPSHOT</version>
14    <name>springboot-demo</name>
15    <description>Demo project for Spring Boot</description>
16    <properties>
17      <java.version>17</java.version>
```

DOWNLOAD CTRL + ⌘

CLOSE ESC

Q Type to search

ENG IN

5:08 PM 12/21/2023

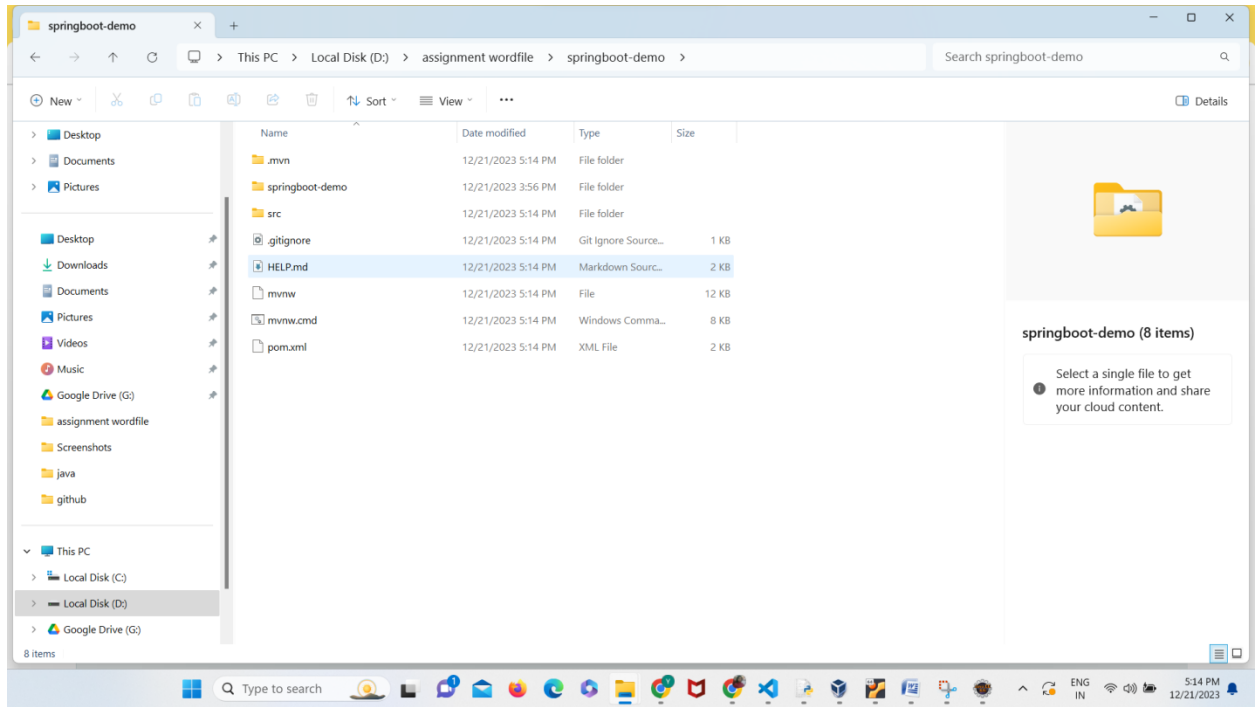
DOWNLOAD



springboot-demo.zip

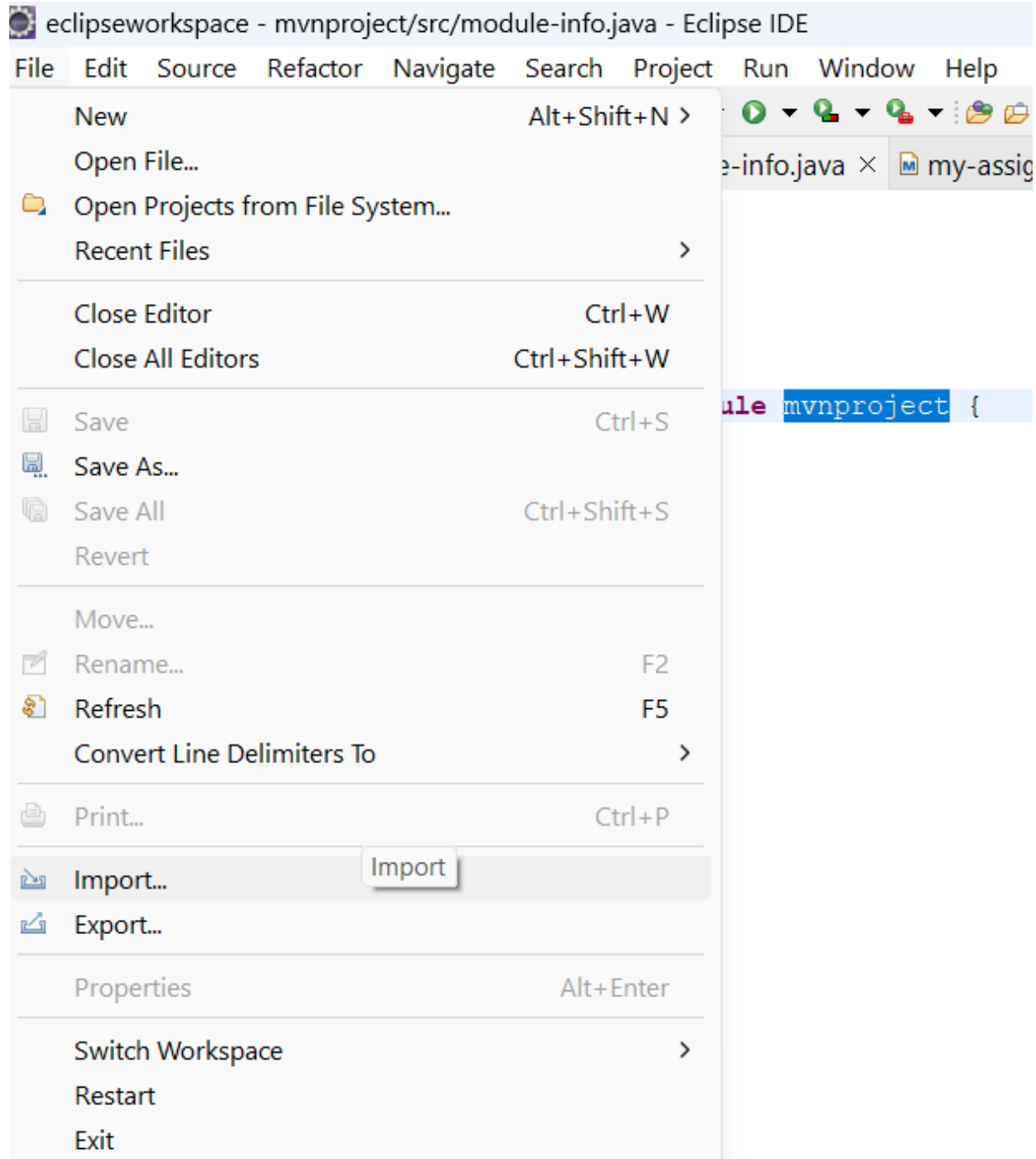
70.6 KB • Done

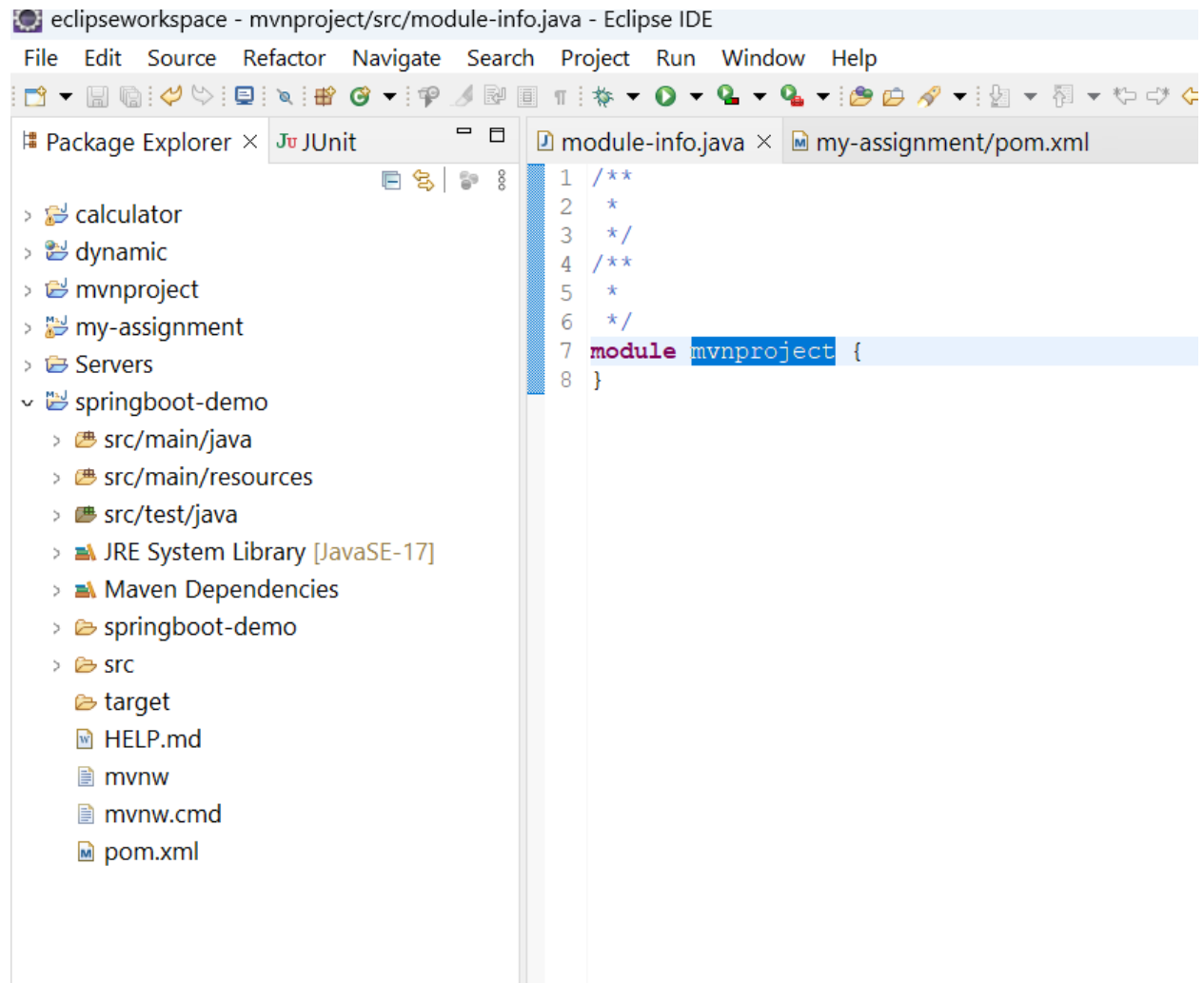
```
12 <artifactId>springboot-demo</artifactId>
13 <version>0.0.1-SNAPSHOT</version>
14 <name>springboot-demo</name>
15 <description>Demo project for Spring Boot</description>
16 <properties>
17     <java.version>17</java.version>
18 </properties>
```

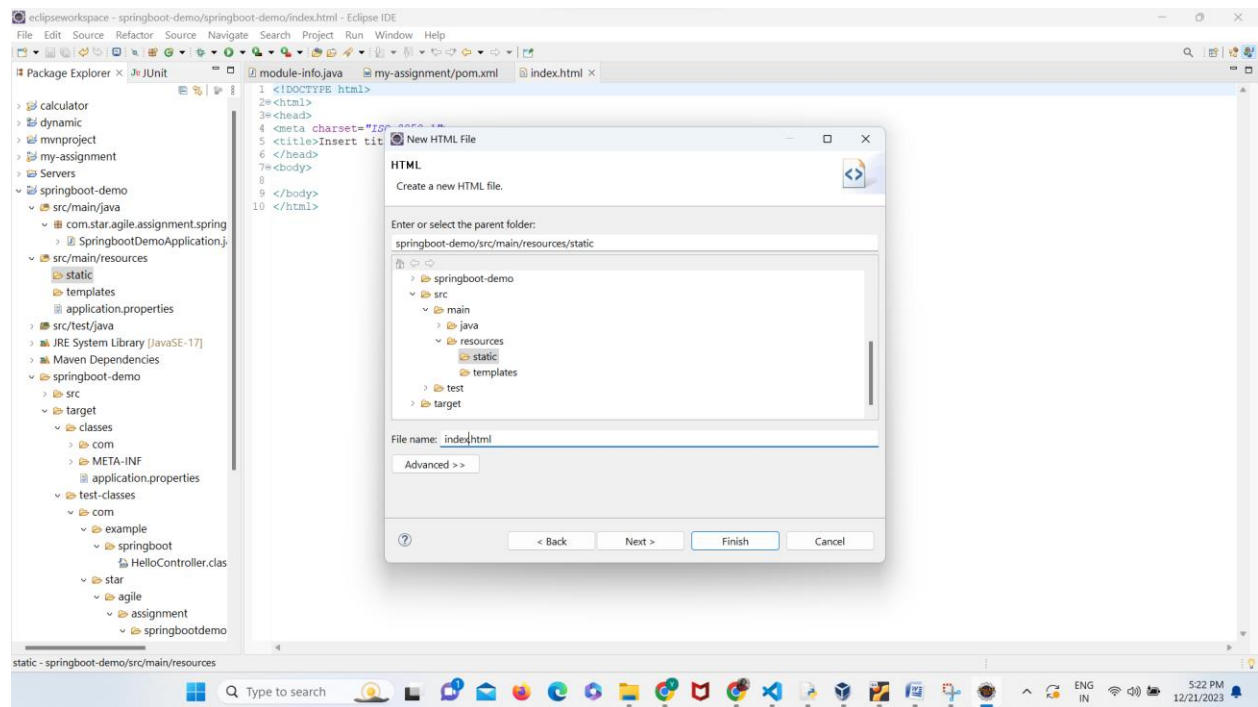












```
cdlipseworkspace - springboot-demo/pom.xml - Eclipse IDE
File Edit Source Navigate Search Project Run Design Window Help
Console
SpringbootDemoApplication [Java Application] [pid: 111336]

:: Spring Boot :: (v3.2.0)

2023-12-21T17:43:32.580+05:30 INFO 111336 --- [main] c.s.a.s.SpringbootDemoApplication : Starting SpringbootDemoApplication using Java 17.0.9 with PID 111336 (D:\ass
2023-12-21T17:43:32.590+05:30 INFO 111336 --- [main] c.s.a.s.SpringbootDemoApplication : No active profile set, falling back to 1 default profile: "default"
2023-12-21T17:43:33.636+05:30 INFO 111336 --- [main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring data JPA repositories in DEFAULT mode.
2023-12-21T17:43:33.687+05:30 INFO 111336 --- [main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring data repository scanning in 32 ms. Found 0 JPA repository int
2023-12-21T17:43:34.693+05:30 INFO 111336 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port 8080 (http)
2023-12-21T17:43:34.693+05:30 INFO 111336 --- [main] o.a.catalina.core.AprLifecycleListener : Loaded Apache Tomcat Native library [2.0.6] using APR version [1.7.4].
2023-12-21T17:43:34.708+05:30 INFO 111336 --- [main] o.a.catalina.core.AprLifecycleListener : OpenSSL successfully initialized [OpenSSL 3.0.11 19 Sep 2023]
2023-12-21T17:43:34.723+05:30 INFO 111336 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2023-12-21T17:43:34.724+05:30 INFO 111336 --- [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.16]
2023-12-21T17:43:34.853+05:30 INFO 111336 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2023-12-21T17:43:34.859+05:30 INFO 111336 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2173 ms
2023-12-21T17:43:35.125+05:30 INFO 111336 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2023-12-21T17:43:35.373+05:30 INFO 111336 --- [main] com.zaxxer.hikari.pool.HikariPool : HikariPool-1 - Added connection conn0: url=jdbc:h2:mem:testdb user=SA
2023-12-21T17:43:35.374+05:30 INFO 111336 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2023-12-21T17:43:35.451+05:30 INFO 111336 --- [main] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [name: default]
2023-12-21T17:43:35.539+05:30 INFO 111336 --- [main] org.hibernate.Version : HHH000412: Hibernate ORM core version 6.3.1.Final
2023-12-21T17:43:35.606+05:30 INFO 111336 --- [main] o.h.c.internal.RegionFactoryInitiator : HHH000026: Second-level cache disabled
2023-12-21T17:43:36.006+05:30 INFO 111336 --- [main] o.s.o.j.p.SpringPersistenceUnitInfo : No LoadTimeWeaver setup; ignoring JPA class transformer
2023-12-21T17:43:36.085+05:30 WARN 111336 --- [main] org.hibernate.orm.deprecation : HHH90000025: H2Dialect does not need to be specified explicitly using 'hibern
2023-12-21T17:43:36.554+05:30 INFO 111336 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000489: No JTA platform available (set 'hibernate.transaction.jta.platform
2023-12-21T17:43:36.638+05:30 INFO 111336 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2023-12-21T17:43:36.692+05:30 WARN 111336 --- [main] JpaBaseConfigurationsJpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries ma
2023-12-21T17:43:36.692+05:30 INFO 111336 --- [main] o.s.b.a.w.s.WelcomePageHandlerMapping : Adding welcome page: class path resource [static/index.html]
2023-12-21T17:43:37.174+05:30 INFO 111336 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8080 (http) with context path ''
2023-12-21T17:43:37.185+05:30 INFO 111336 --- [main] c.s.a.s.SpringbootDemoApplication : Started SpringbootDemoApplication in 5.138 seconds (process running for 5.793
2023-12-21T17:43:50.275+05:30 INFO 111336 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2023-12-21T17:43:50.275+05:30 INFO 111336 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2023-12-21T17:43:50.277+05:30 INFO 111336 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms
```

