**Brian E Shilo**

**21MIC0131**

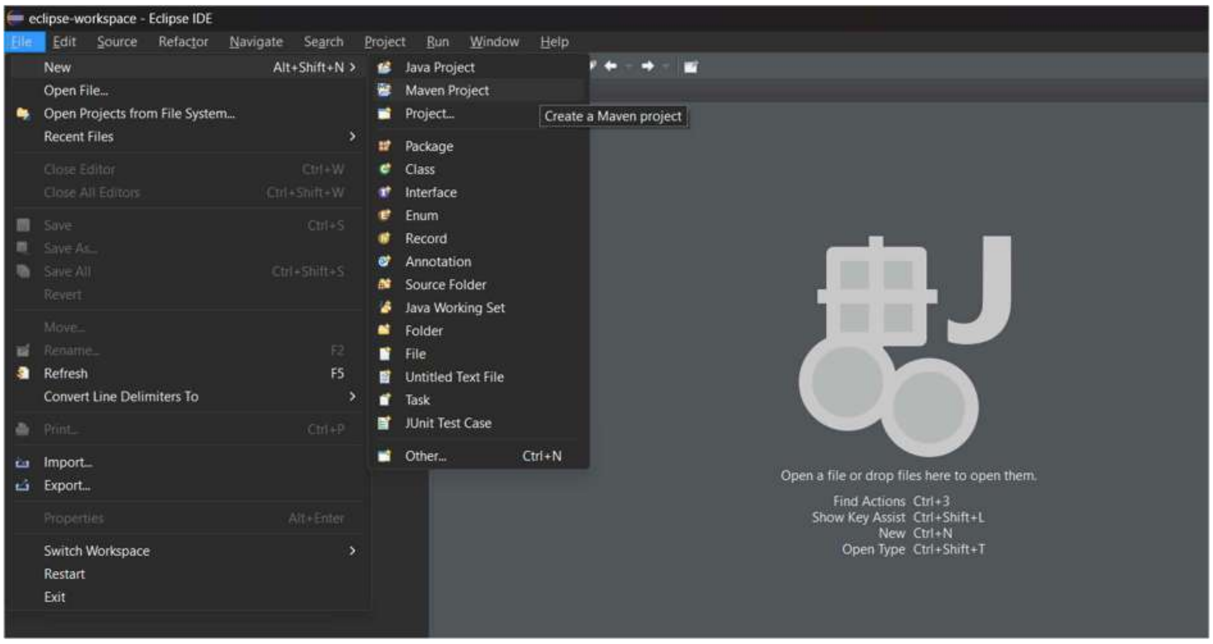
**CSI3025 - Application Development and Deployment Architecture - L23+L24**

**SAHAAYA ARUL MARY S A**

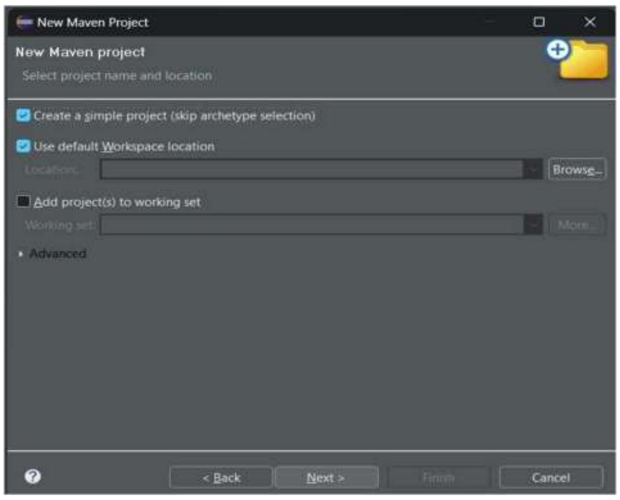
# Digital Assignment – 2

**PART 1** - *Create a Simple Maven Project in Eclipse :*

**Step-1** - Open Eclipse->Click on File -> New -> Maven Project



**Step -2 :** Tick both boxes and proceed as shown-


New Maven Project

New Maven project

Select project name and location

- [x] Create a simple project (skip archetype selection)
- [x] Use default Workspace location

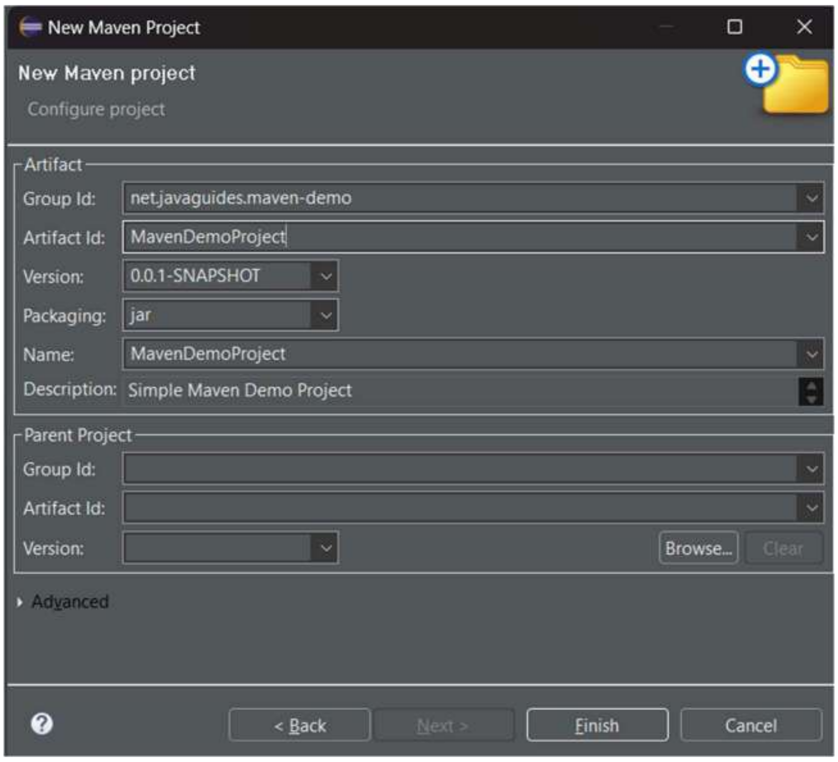
Location:

- [ ] Add project(s) to working set

Working set:

**Step-3** Provide GroupId and ArtifactId in next screen.

- GroupId: net.javaguides.maven-demo
- Artifact Id: MavenDemoProject
- Name: MavenDemoProject
- Description: Simple Maven Demo Project



New Maven Project

New Maven project

Configure project

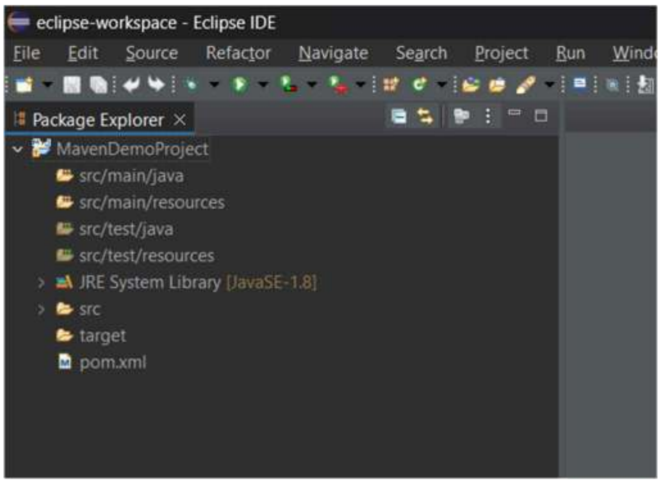
Artifact

| | |
|---|---|
| Group Id: | net.javaguides.maven-demo |
| Artifact Id: | MavenDemoProject |
| Version: | 0.0.1-SNAPSHOT |
| Packaging: | jar |
| Name: | MavenDemoProject |
| Description: | Simple Maven Demo Project |

Parent Project

| | |
|---|---|
| Group Id: | |
| Artifact Id: | |
| Version: | |

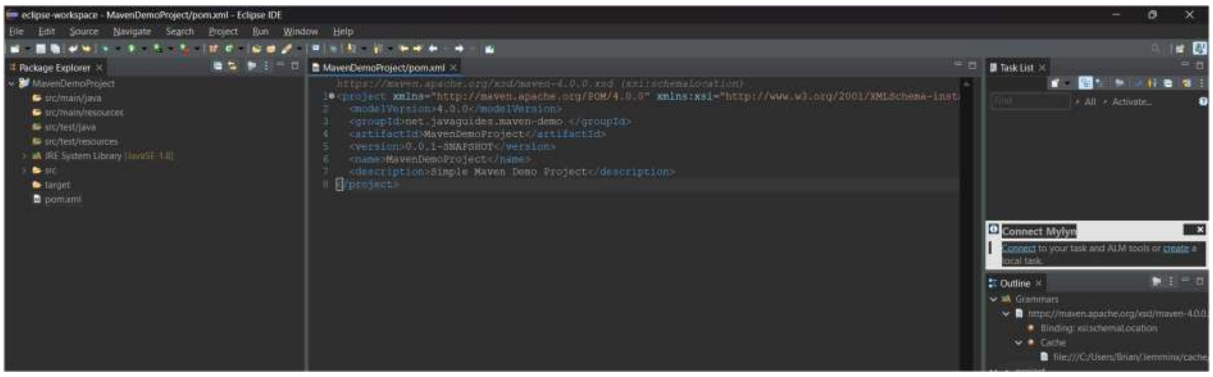
**Step-4** And you are all set. You should see a new Project in Eclipse with below structure.



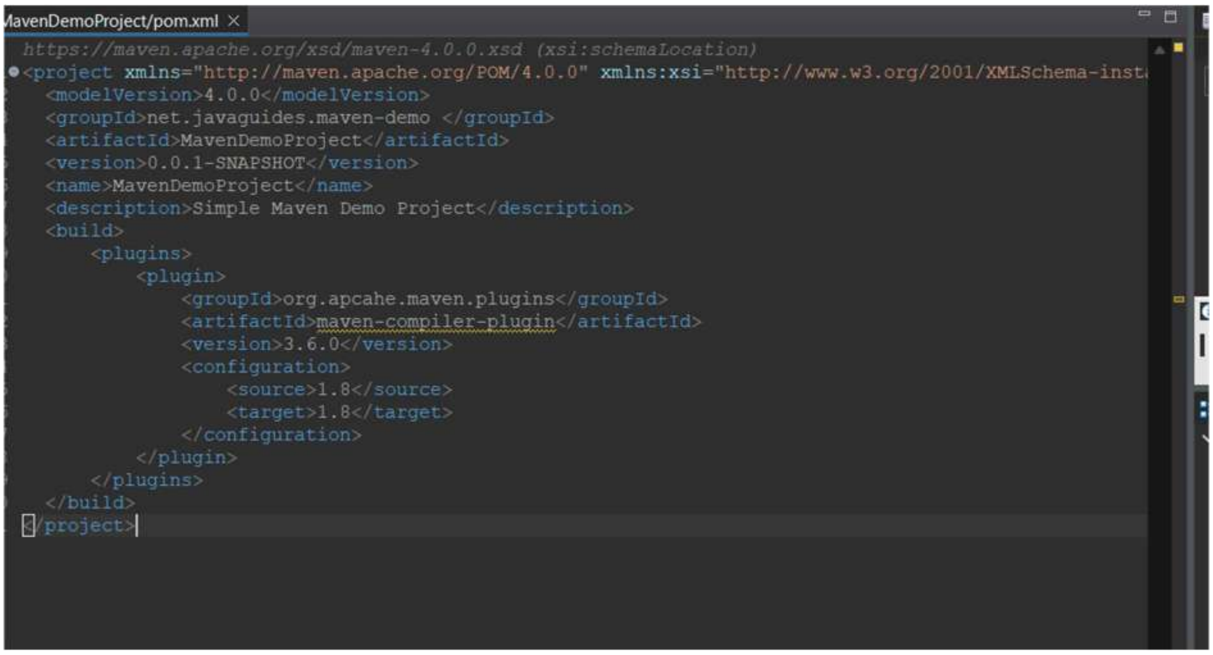
eclipse-workspace - Eclipse IDE

```
MavenDemoProject
    src/main/java
    src/main/resources
    src/test/java
    src/test/resources
  > JRE System Library [JavaSE-1.8]
  > src
    target
    pom.xml
```

**Step-5** As you can see in the maven project structure, the default java compiler version ( i.e. source and target setting ) is 1.5. To change the default settings, add the following snippet to pom.xml.

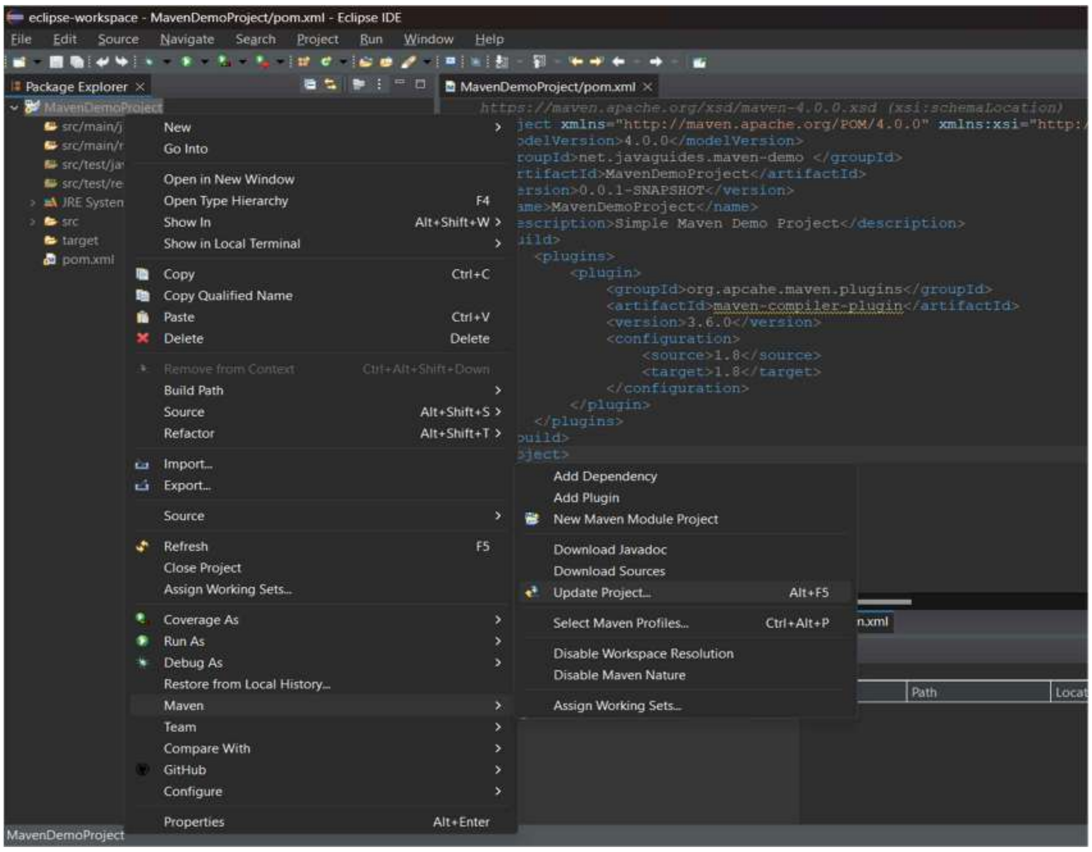

eclipse-workspace - MavenDemoProject/pom.xml - Eclipse IDE
File Edit Source Navigate Search Project Run Window Help
Package Explorer
MavenDemoProject
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [JavaSE-1.8]
src
target
pom.xml
MavenDemoProject/pom.xml
Task List
All Activate...
Connect Mylyn
Connect to your task and ALM tools or create a local task.
Outline
Grammars
https://maven.apache.org/xsd/maven-4.0.0
Binding: xsi:schemaLocation
Cache
file:///C:/Users/Brian/.lemminx/cache

```
https://maven.apache.org/xsd/maven-4.0.0.xsd (xsi:schemaLocation)
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-inst
  <modelVersion>4.0.0</modelVersion>
  <groupId>net.javaguides.maven-demo </groupId>
  <artifactId>MavenDemoProject</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <name>MavenDemoProject</name>
  <description>Simple Maven Demo Project</description>
</project>
```

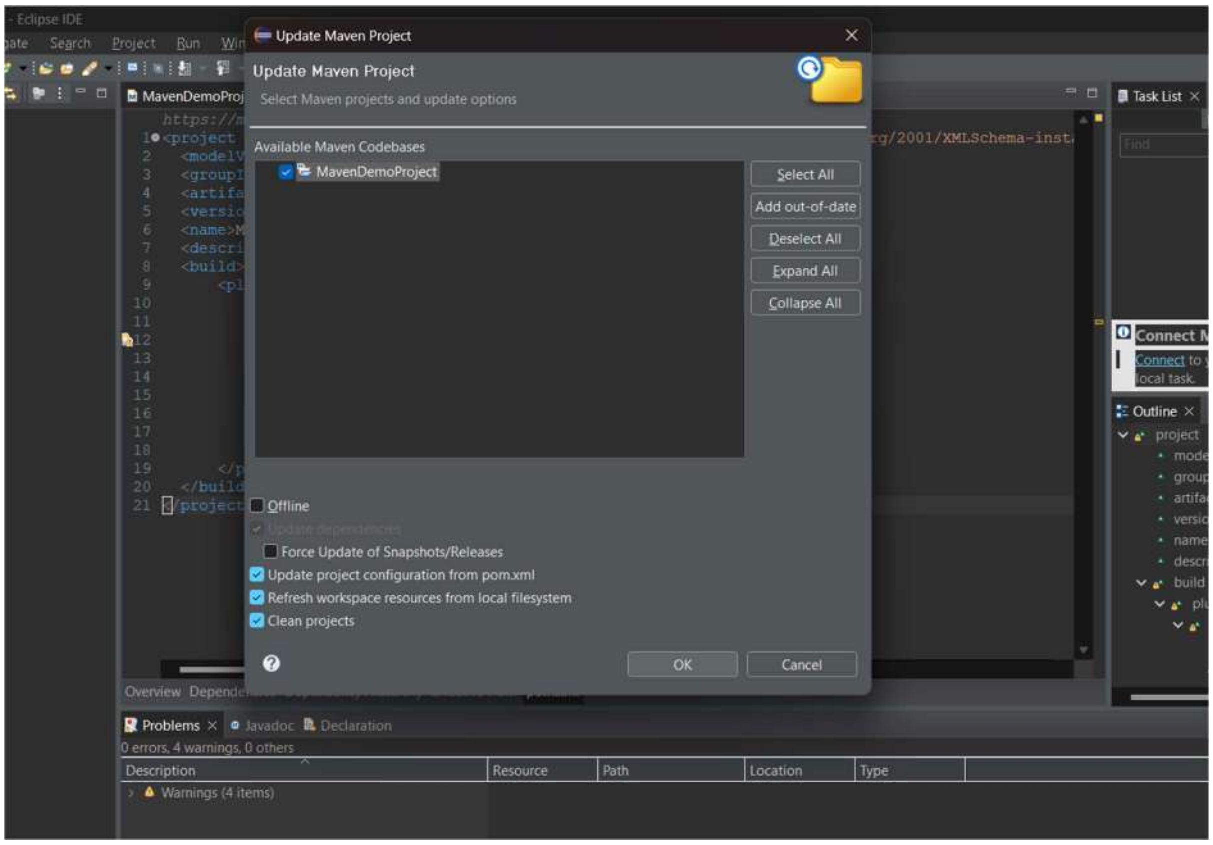


```
https://maven.apache.org/xsd/maven-4.0.0.xsd (xsi:schemaLocation)
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-inst
  <modelVersion>4.0.0</modelVersion>
  <groupId>net.javaguides.maven-demo </groupId>
  <artifactId>MavenDemoProject</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <name>MavenDemoProject</name>
  <description>Simple Maven Demo Project</description>
  <build>
      <plugins>
          <plugin>
              <groupId>org.apcahe.maven.plugins</groupId>
              <artifactId>maven-compiler-plugin</artifactId>
              <version>3.6.0</version>
              <configuration>
                  <source>1.8</source>
                  <target>1.8</target>
              </configuration>
          </plugin>
      </plugins>
  </build>
</project>
```

**<u>Step 6 -</u>**Update Maven as shown



```
https://maven.apache.org/xsd/maven-4.0.0.xsd (xsi:schemaLocation)
ject xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http:/
odelVersion>4.0.0</modelVersion>
roupId>net.javaguides.maven-demo </groupId>
rtifactId>MavenDemoProject</artifactId>
ersion>0.0.1-SNAPSHOT</version>
ame>MavenDemoProject</name>
escription>Simple Maven Demo Project</description>
ild>
  <plugins>
      <plugin>
          <groupId>org.apcahe.maven.plugins</groupId>
          <artifactId>maven-compiler-plugin</artifactId>
          <version>3.6.0</version>
          <configuration>
              <source>1.8</source>
              <target>1.8</target>
          </configuration>
      </plugin>
  </plugins>
uild>
oject>
```



Update Maven Project

Update Maven Project

Select Maven projects and update options

Available Maven Codebases

[✓] MavenDemoProject

[ ] Offline

[✓] Update dependencies

[ ] Force Update of Snapshots/Releases

[✓] Update project configuration from pom.xml

[✓] Refresh workspace resources from local filesystem

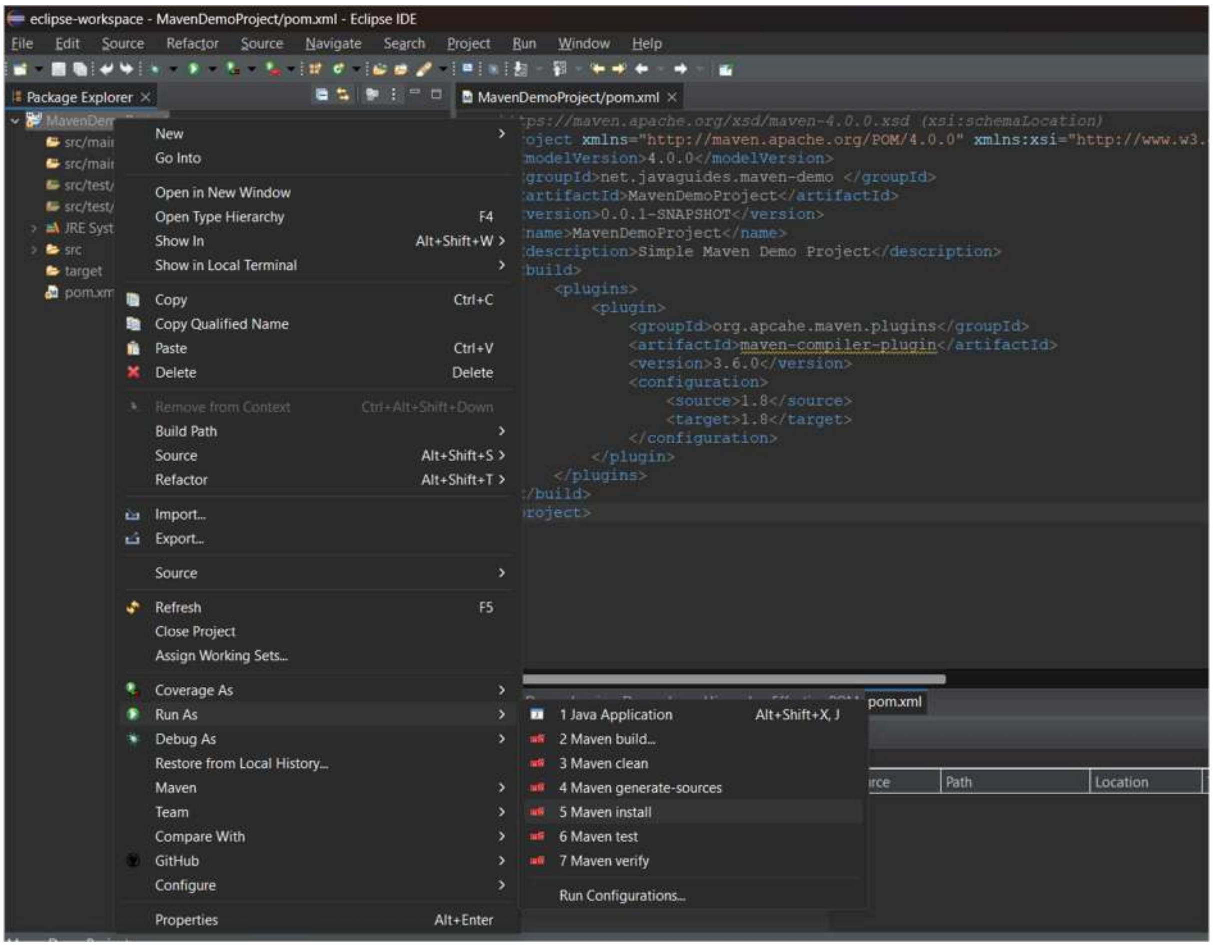
[✓] Clean projects

0 errors, 4 warnings, 0 others

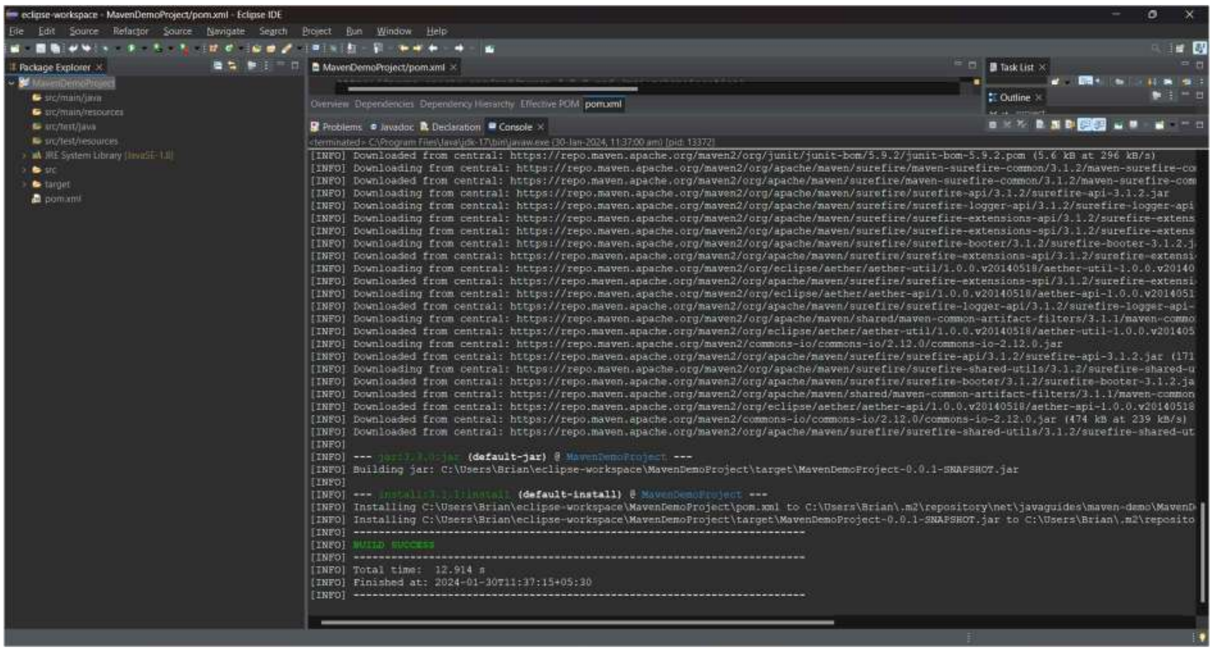
Warnings (4 items)

## **Step 7 -** Maven – Install, Test, Clean

Maven Install

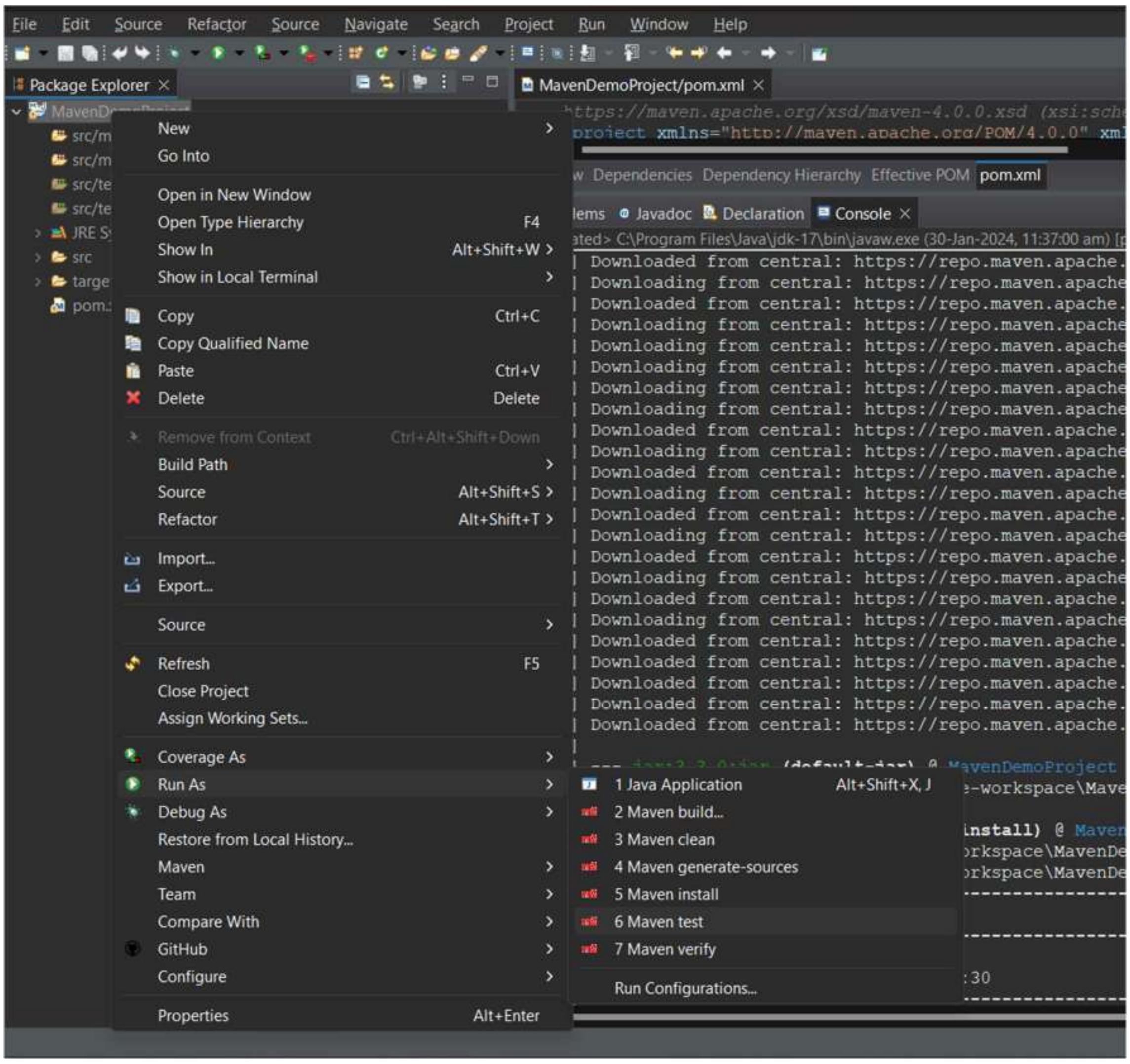


```
ps://maven.apache.org/xsd/maven-4.0.0.xsd (xsi:schemaLocation)
oject xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.
modelVersion>4.0.0</modelVersion>
groupId>net.javaguides.maven-demo </groupId>
artifactId>MavenDemoProject</artifactId>
version>0.0.1-SNAPSHOT</version>
name>MavenDemoProject</name>
description>Simple Maven Demo Project</description>
build>
   <plugins>
       <plugin>
           <groupId>org.apcahe.maven.plugins</groupId>
           <artifactId>maven-compiler-plugin</artifactId>
           <version>3.6.0</version>
           <configuration>
               <source>1.8</source>
               <target>1.8</target>
           </configuration>
       </plugin>
   </plugins>
/build>
roject>
```


eclipse-workspace - MavenDemoProject/pom.xml - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Package Explorer
MavenDemoProject
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [JavaSE-1.8]
src
target
pom.xml
MavenDemoProject/pom.xml
Overview Dependencies Dependency Hierarchy Effective POM pom.xml
Problems Javadoc Declaration Console
Task List
Outline

```
<terminated> C:\Program Files\Java\jdk-17\bin\javaw.exe (30-Jan-2024, 11:37:00 am) [pid: 13372]
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/junit/junit-bom/5.9.2/junit-bom-5.9.2.pom (5.6 kB at 296 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/maven-surefire-common/3.1.2/maven-surefire-co
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/maven-surefire-common/3.1.2/maven-surefire-com
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-api/3.1.2/surefire-api-3.1.2.jar
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-logger-api/3.1.2/surefire-logger-api
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-extensions-api/3.1.2/surefire-extens
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-extensions-spi/3.1.2/surefire-extens
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-booter/3.1.2/surefire-booter-3.1.2.j
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-extensions-api/3.1.2/surefire-extensi
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/eclipse/aether/aether-util/1.0.0.v20140518/aether-util-1.0.0.v20140
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-extensions-spi/3.1.2/surefire-extensi
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/eclipse/aether/aether-api/1.0.0.v20140518/aether-api-1.0.0.v2014051
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-logger-api/3.1.2/surefire-logger-api-
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-common-artifact-filters/3.1.1/maven-commo
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/eclipse/aether/aether-util/1.0.0.v20140518/aether-util-1.0.0.v201405
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/commons-io/commons-io/2.12.0/commons-io-2.12.0.jar
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-api/3.1.2/surefire-api-3.1.2.jar (171
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-shared-utils/3.1.2/surefire-shared-u
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-booter/3.1.2/surefire-booter-3.1.2.ja
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-common-artifact-filters/3.1.1/maven-common
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/eclipse/aether/aether-api/1.0.0.v20140518/aether-api-1.0.0.v20140518
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/commons-io/commons-io/2.12.0/commons-io-2.12.0.jar (474 kB at 239 kB/s)
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-shared-utils/3.1.2/surefire-shared-ut
[INFO]
[INFO] --- jar:3.3.0:jar (default-jar) @ MavenDemoProject ---
[INFO] Building jar: C:\Users\Brian\eclipse-workspace\MavenDemoProject\target\MavenDemoProject-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- install:3.1.1:install (default-install) @ MavenDemoProject ---
[INFO] Installing C:\Users\Brian\eclipse-workspace\MavenDemoProject\pom.xml to C:\Users\Brian\.m2\repository\net\javaguides\maven-demo\MavenD
[INFO] Installing C:\Users\Brian\eclipse-workspace\MavenDemoProject\target\MavenDemoProject-0.0.1-SNAPSHOT.jar to C:\Users\Brian\.m2\reposito
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  12.914 s
[INFO] Finished at: 2024-01-30T11:37:15+05:30
[INFO] ------------------------------------------------------------------------
```

## Maven Test



```
ated> C:\Program Files\Java\jdk-17\bin\javaw.exe (30-Jan-2024, 11:37:00 am)
] Downloaded from central: https://repo.maven.apache.
] Downloading from central: https://repo.maven.apache
] Downloaded from central: https://repo.maven.apache.
] Downloading from central: https://repo.maven.apache
] Downloading from central: https://repo.maven.apache
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] Downloaded from central: https://repo.maven.apache.
] Downloaded from central: https://repo.maven.apache.
```
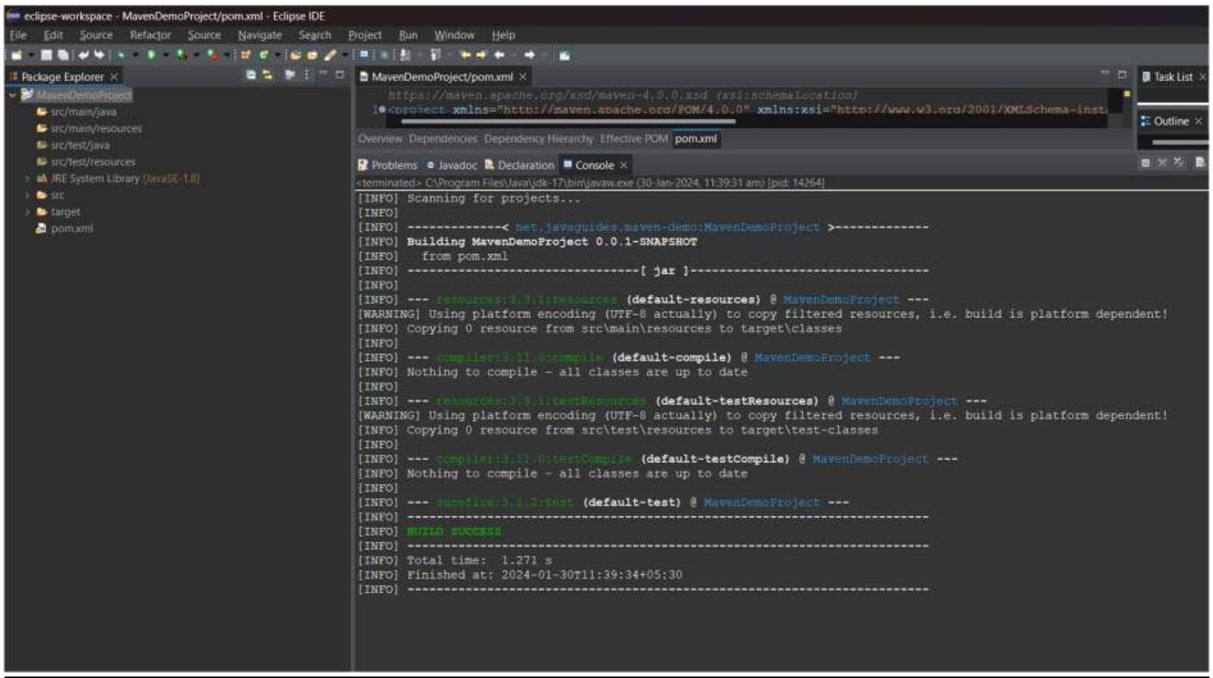
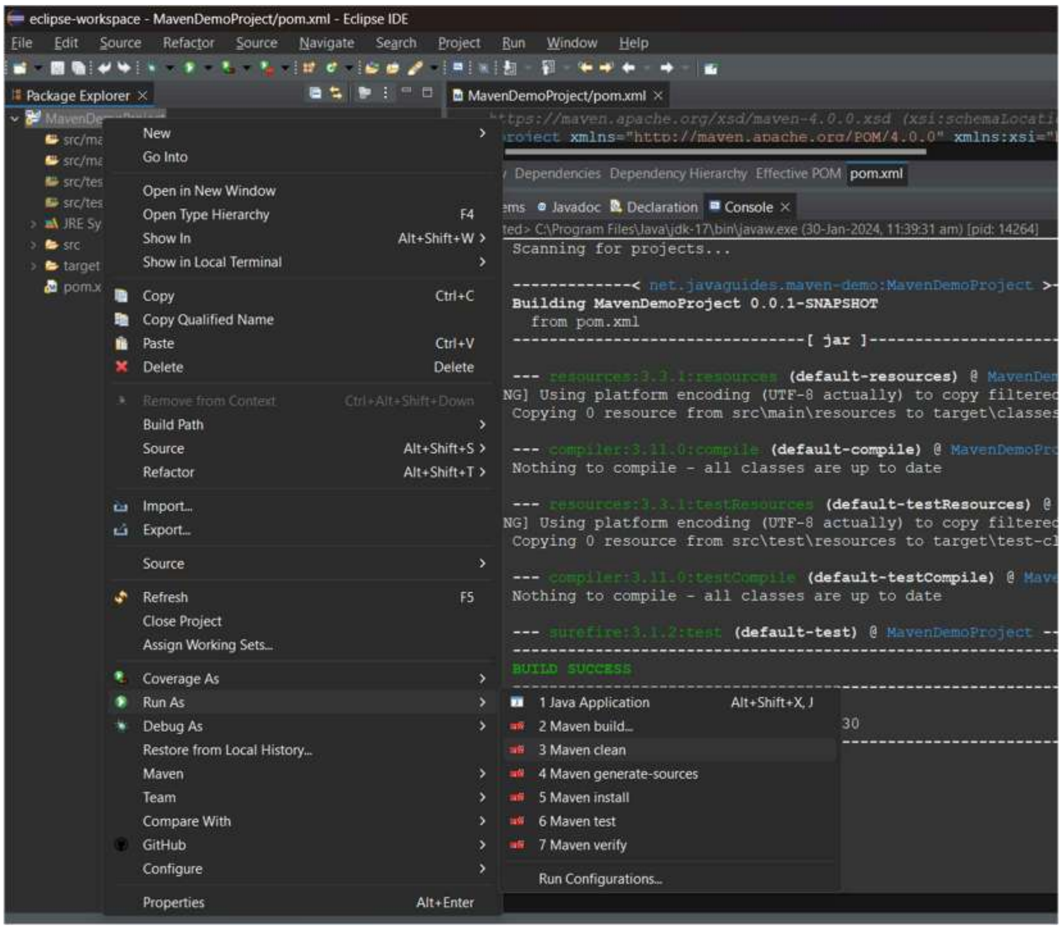
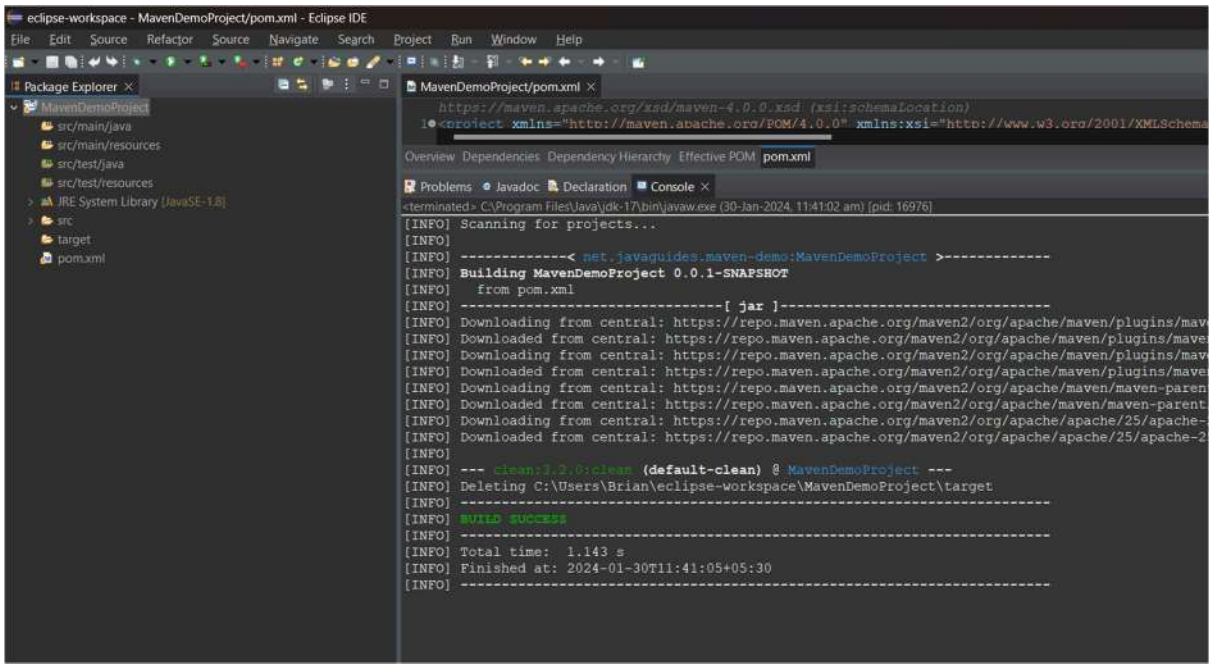


eclipse-workspace - MavenDemoProject/pom.xml - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Package Explorer
MavenDemoProject
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [JavaSE-1.8]
src
target
pom.xml
MavenDemoProject/pom.xml
Overview Dependencies Dependency Hierarchy Effective POM pom.xml
Problems Javadoc Declaration Console
Task List
Outline

```
<terminated> C:\Program Files\Java\jdk-17\bin\javaw.exe (30-Jan-2024, 11:39:31 am) [pid: 14264]
[INFO] Scanning for projects...
[INFO]
[INFO] -------------< net.javaguides.maven-demo:MavenDemoProject >-------------
[INFO] Building MavenDemoProject 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] --------------------------------[ jar ]---------------------------------
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ MavenDemoProject ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- compiler:3.11.0:compile (default-compile) @ MavenDemoProject ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ MavenDemoProject ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource from src\test\resources to target\test-classes
[INFO]
[INFO] --- compiler:3.11.0:testCompile (default-testCompile) @ MavenDemoProject ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- surefire:3.1.2:test (default-test) @ MavenDemoProject ---
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  1.271 s
[INFO] Finished at: 2024-01-30T11:39:34+05:30
[INFO] ------------------------------------------------------------------------
```

## Maven Clean

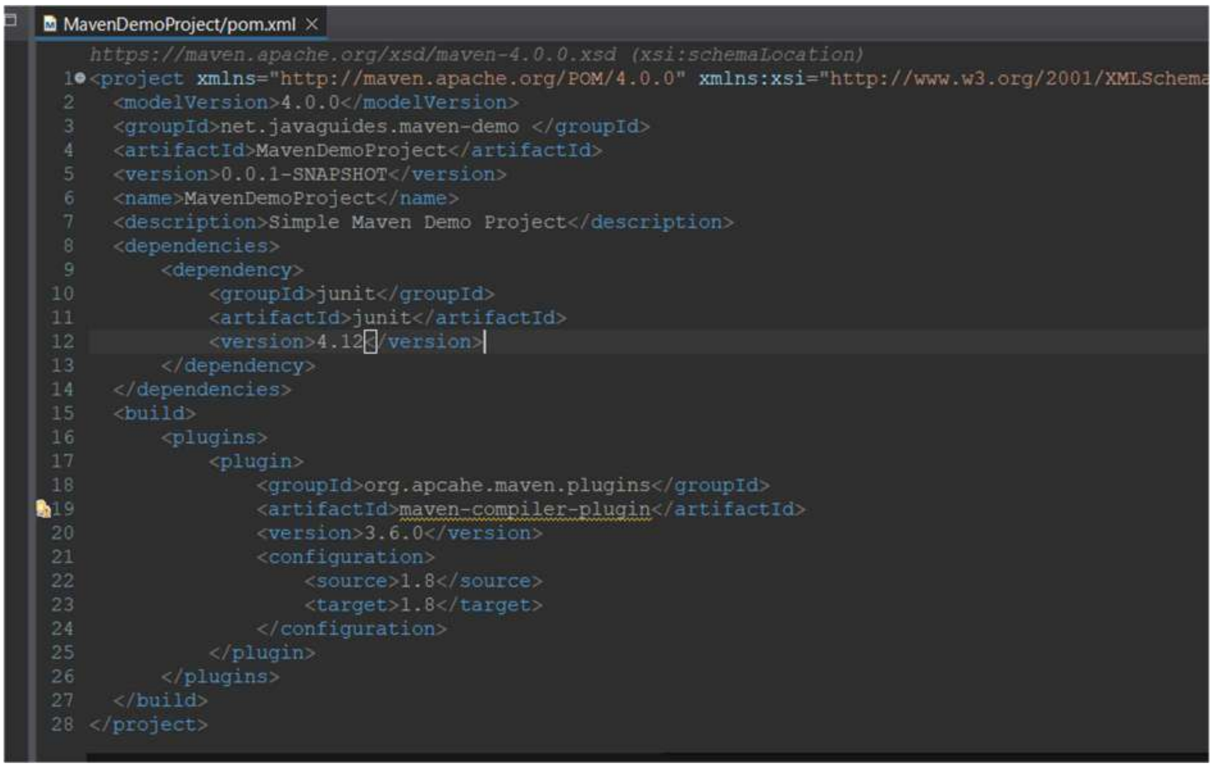


```
ted> C:\Program Files\Java\jdk-17\bin\javaw.exe (30-Jan-2024, 11:39:31 am) [pid: 14264]
 Scanning for projects...

 -------------< net.javaguides.maven-demo:MavenDemoProject >-
 Building MavenDemoProject 0.0.1-SNAPSHOT
   from pom.xml
 --------------------------------[ jar ]--------------------

 --- resources:3.3.1:resources (default-resources) @ MavenDem
NG] Using platform encoding (UTF-8 actually) to copy filtered
 Copying 0 resource from src\main\resources to target\classes

 --- compiler:3.11.0:compile (default-compile) @ MavenDemoPro
 Nothing to compile - all classes are up to date

 --- resources:3.3.1:testResources (default-testResources) @
NG] Using platform encoding (UTF-8 actually) to copy filtered
 Copying 0 resource from src\test\resources to target\test-cl

 --- compiler:3.11.0:testCompile (default-testCompile) @ Mave
 Nothing to compile - all classes are up to date

 --- surefire:3.1.2:test (default-test) @ MavenDemoProject --
 ------------------------------------------------------------
 BUILD SUCCESS
```


eclipse-workspace - MavenDemoProject/pom.xml - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Package Explorer
MavenDemoProject
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [JavaSE-1.8]
src
target
pom.xml
MavenDemoProject/pom.xml
Overview Dependencies Dependency Hierarchy Effective POM pom.xml
Problems Javadoc Declaration Console

```
<terminated> C:\Program Files\Java\jdk-17\bin\javaw.exe (30-Jan-2024, 11:41:02 am) [pid: 16976]
[INFO] Scanning for projects...
[INFO]
[INFO] -------------< net.javaguides.maven-demo:MavenDemoProject >-------------
[INFO] Building MavenDemoProject 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] --------------------------------[ jar ]---------------------------------
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/mave
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/mave
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent.
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/apache/25/apache-
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/apache/25/apache-2
[INFO]
[INFO] --- clean:3.2.0:clean (default-clean) @ MavenDemoProject ---
[INFO] Deleting C:\Users\Brian\eclipse-workspace\MavenDemoProject\target
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  1.143 s
[INFO] Finished at: 2024-01-30T11:41:05+05:30
[INFO] ------------------------------------------------------------------------
```

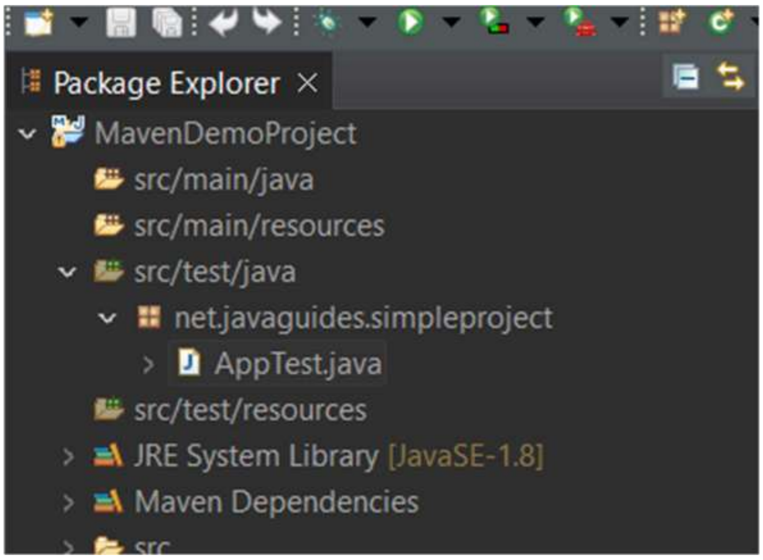
**Step 8-** Add some dependencies to pom.xml file. Here we are adding junit dependency to pom.xml.

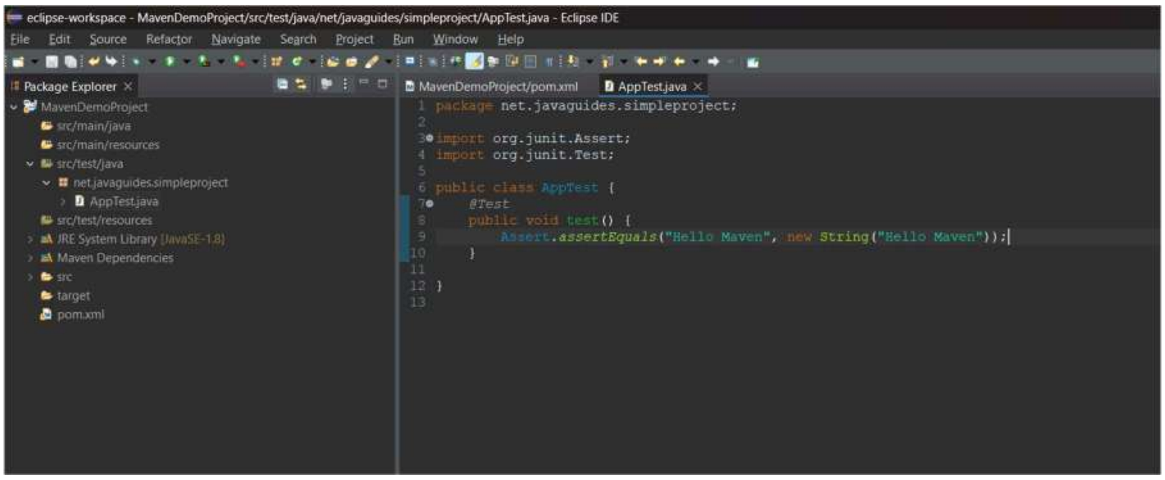


```
https://maven.apache.org/xsd/maven-4.0.0.xsd (xsi:schemaLocation)
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema
  <modelVersion>4.0.0</modelVersion>
  <groupId>net.javaguides.maven-demo </groupId>
  <artifactId>MavenDemoProject</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <name>MavenDemoProject</name>
  <description>Simple Maven Demo Project</description>
  <dependencies>
      <dependency>
          <groupId>junit</groupId>
          <artifactId>junit</artifactId>
          <version>4.12</version>
      </dependency>
  </dependencies>
  <build>
      <plugins>
          <plugin>
              <groupId>org.apcahe.maven.plugins</groupId>
              <artifactId>maven-compiler-plugin</artifactId>
              <version>3.6.0</version>
              <configuration>
                  <source>1.8</source>
                  <target>1.8</target>
              </configuration>
          </plugin>
      </plugins>
  </build>
</project>
```

**Step-9-**

Create a package, named as net.javaguides.simpleproject, under src/test/java folder. Next create a class AppTest.java under src/test/java package and write the following code in it.

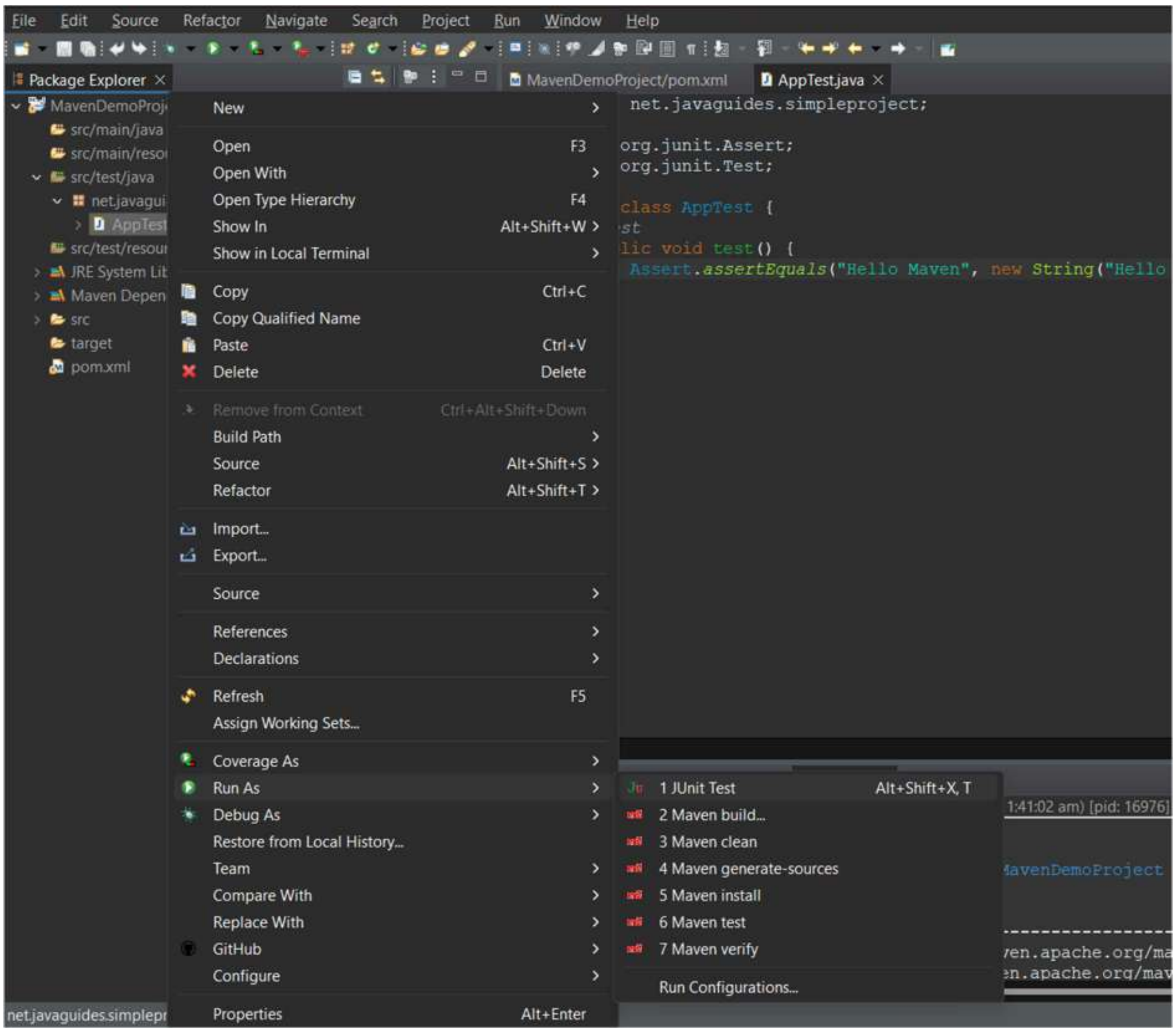


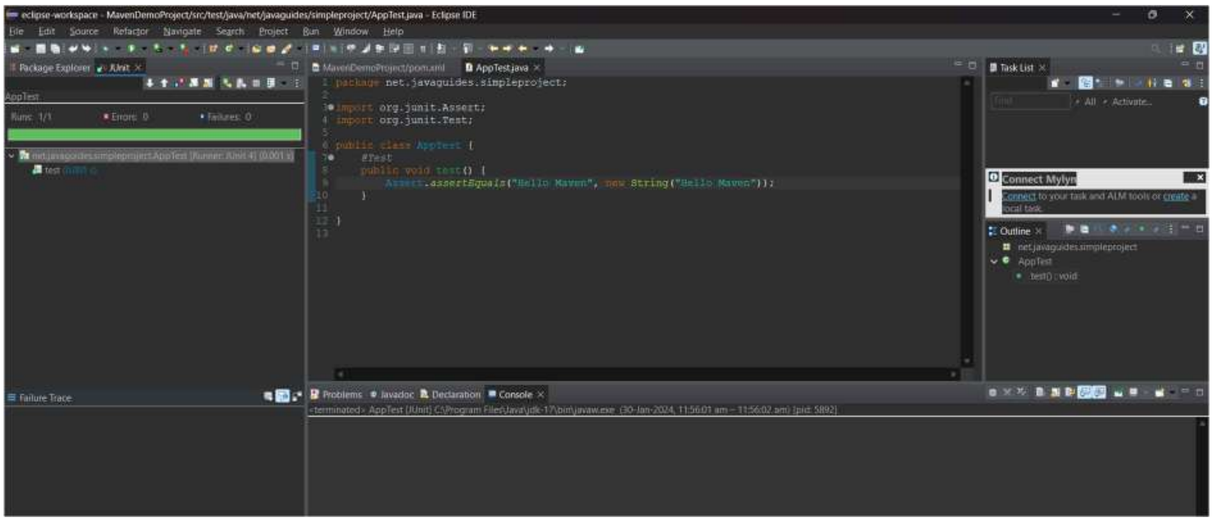

eclipse-workspace - MavenDemoProject/src/test/java/net/javaguides/simpleproject/AppTest.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
MavenDemoProject
src/main/java
src/main/resources
src/test/java
net.javaguides.simpleproject
AppTest.java
src/test/resources
JRE System Library [JavaSE-1.8]
Maven Dependencies
src
target
pom.xml
MavenDemoProject/pom.xml
AppTest.java

```java
package net.javaguides.simpleproject;

import org.junit.Assert;
import org.junit.Test;

public class AppTest {
    @Test
    public void test() {
        Assert.assertEquals("Hello Maven", new String("Hello Maven"));
    }

}
```

**Step10-**

Run your first maven project. Right click on AppTest.java → Run as → JUnit Test.




eclipse-workspace - MavenDemoProject/src/test/java/net/javaguides/simpleproject/AppTest.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
JUnit
AppTest
Runs: 1/1
Errors: 0
Failures: 0
net.javaguides.simpleproject.AppTest [Runner: JUnit 4] (0.001 s)
test (0.001 s)
Failure Trace
MavenDemoProject/pom.xml
AppTest.java
Task List
Connect Mylyn
Outline
net.javaguides.simpleproject
AppTest
test() : void
Problems
Javadoc
Declaration
Console

```
package net.javaguides.simpleproject;

import org.junit.Assert;
import org.junit.Test;

public class AppTest {
    @Test
    public void test() {
        Assert.assertEquals("Hello Maven", new String("Hello Maven"));
    }

}
```

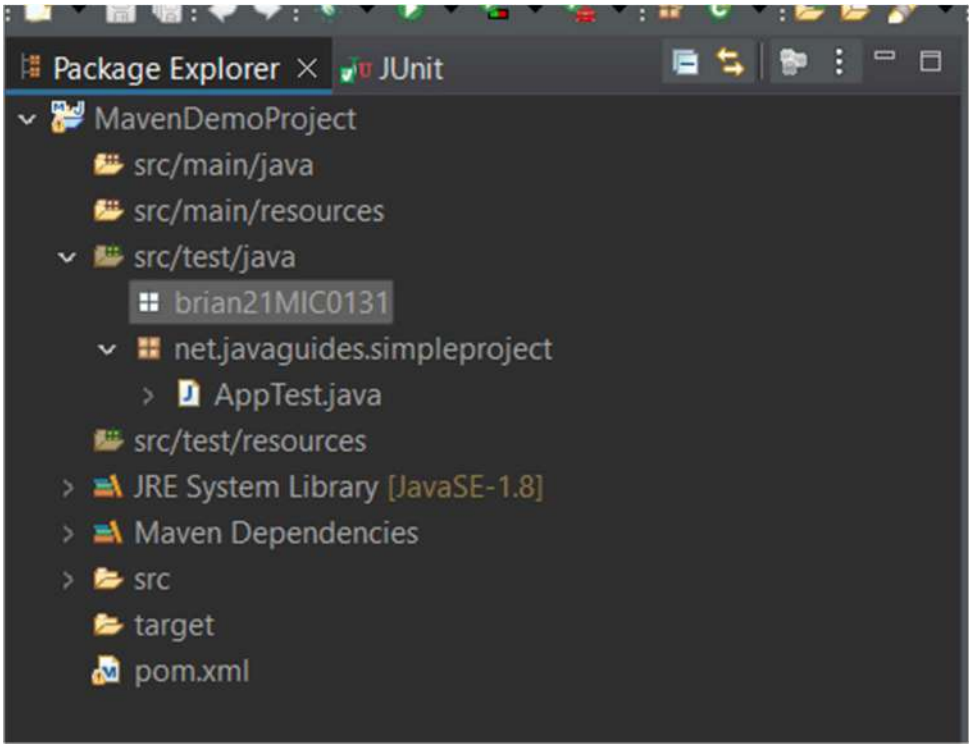
```
<terminated> AppTest [JUnit] C:\Program Files\Java\jdk-17\bin\javaw.exe (30-Jan-2024, 11:56:01 am – 11:56:02 am) [pid: 5892]
```

**********

**PART 2** - *Create Maven Project for Appliction using Java :*

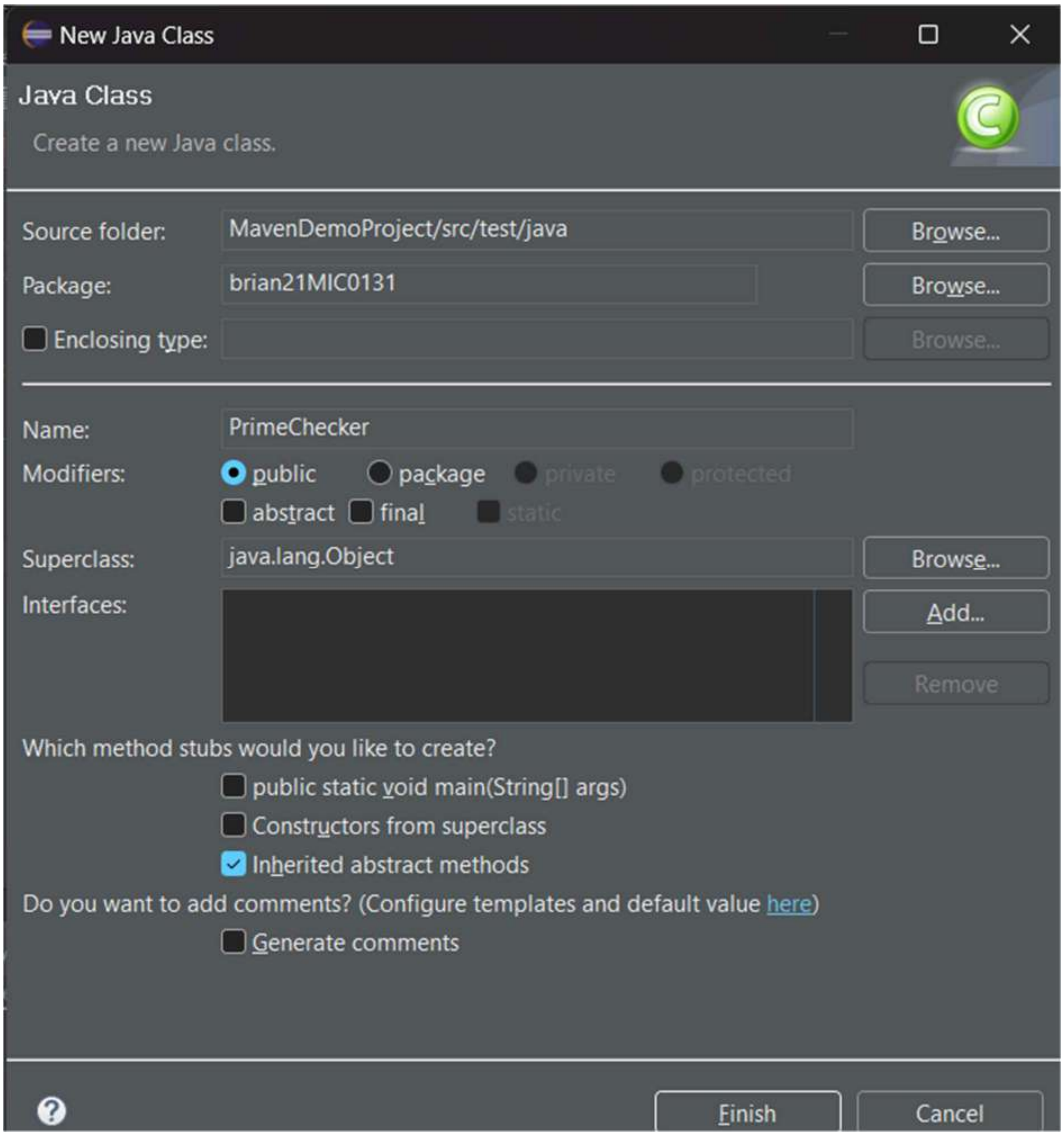
**Step-1 to Step-4** same as above.

**Step 5**: Create a new package under src/test/java



**Step 6 –**

Create a class – PrimeChecker



New Java Class

Java Class

Create a new Java class.

Source folder: MavenDemoProject/src/test/java

Package: brian21MIC0131

[ ] Enclosing type:

Name: PrimeChecker

Modifiers: [✓ public] package private protected

[ ] abstract [ ] final [ ] static

Superclass: java.lang.Object

Interfaces:

Which method stubs would you like to create?

[ ] public static void main(String[] args)

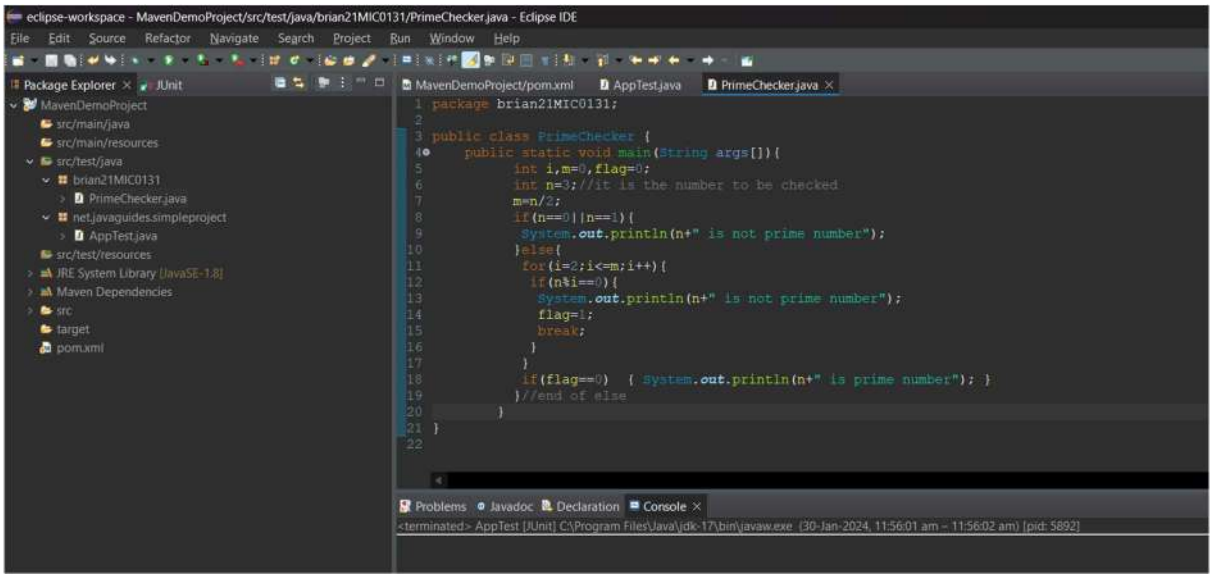
[ ] Constructors from superclass

[✓] Inherited abstract methods

Do you want to add comments? (Configure templates and default value here)

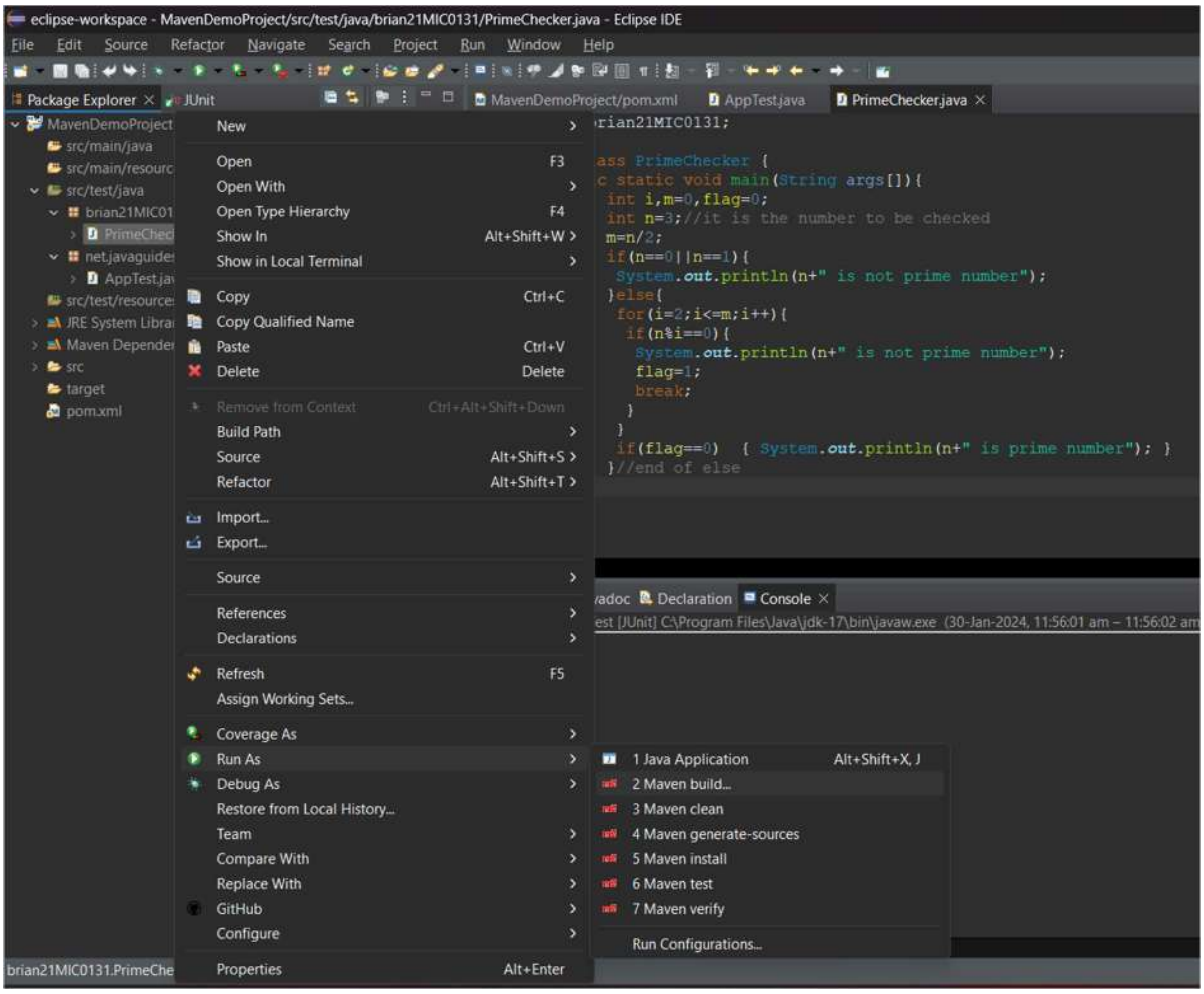
[ ] Generate comments

PrimeChecker.java file-

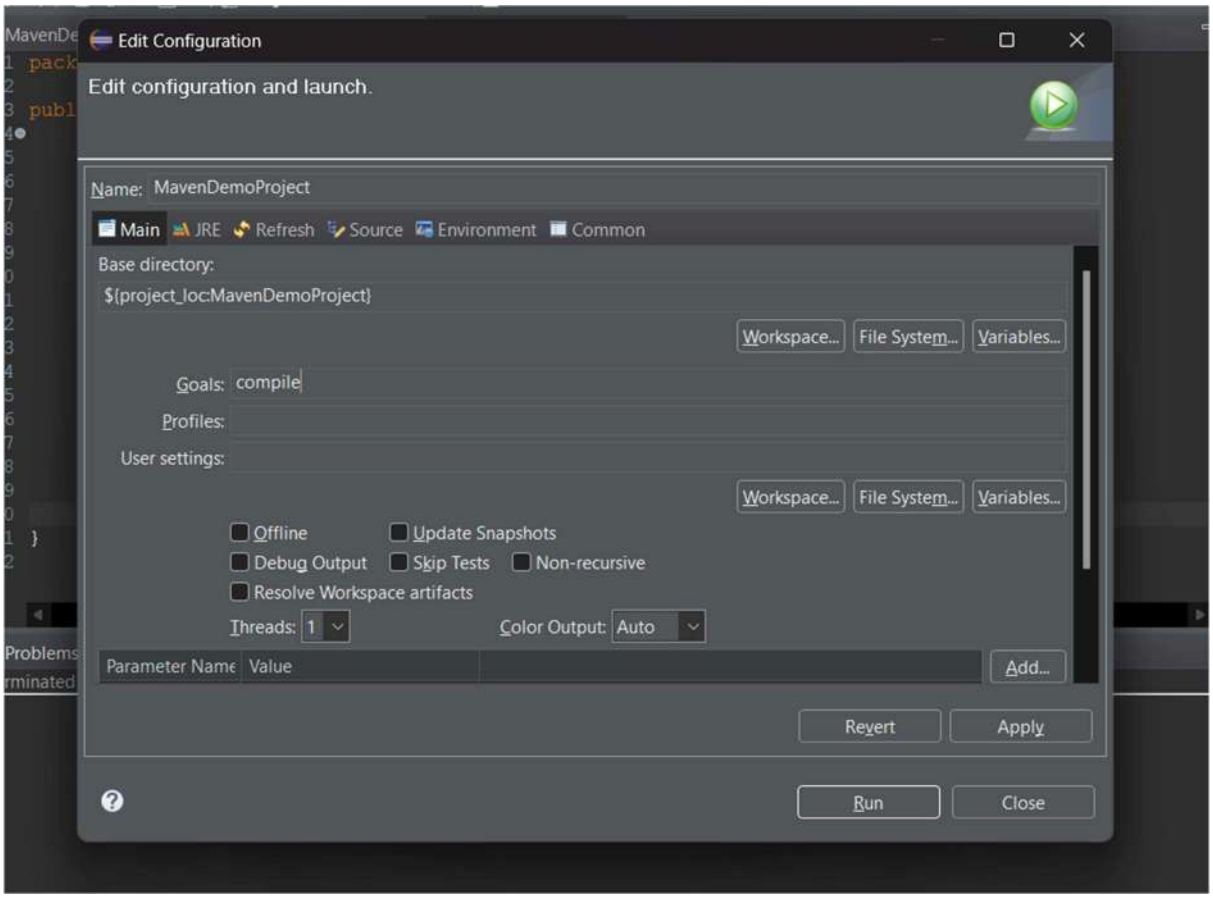

```
package brian21MIC0131;

public class PrimeChecker {
    public static void main(String args[]){
        int i,m=0,flag=0;
        int n=3;//it is the number to be checked
        m=n/2;
        if(n==0||n==1){
         System.out.println(n+" is not prime number");
        }else{
         for(i=2;i<=m;i++){
          if(n%i==0){
           System.out.println(n+" is not prime number");
           flag=1;
           break;
          }
         }
         if(flag==0)  { System.out.println(n+" is prime number"); }
        }//end of else
    }
}
```

```
<terminated> AppTest [JUnit] C:\Program Files\Java\jdk-17\bin\javaw.exe  (30-Jan-2024, 11:56:01 am – 11:56:02 am) [pid: 5892]
```

Run as maven build –



Run as Maven build – goals - compile



Edit Configuration

Edit configuration and launch.

Name: MavenDemoProject

Base directory: ${project_loc:MavenDemoProject}

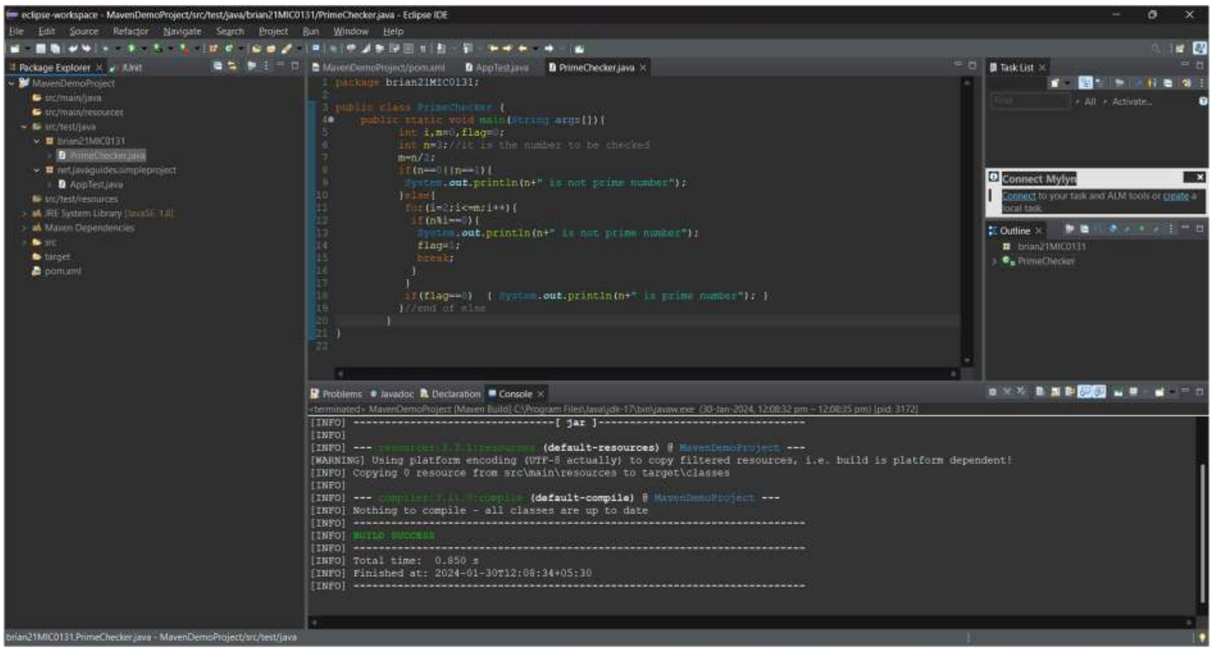
Goals: compile

Profiles:

User settings:

Offline ☐ Update Snapshots ☐ Debug Output ☐ Skip Tests ☐ Non-recursive ☐ Resolve Workspace artifacts ☐

Threads: 1 Color Output: Auto

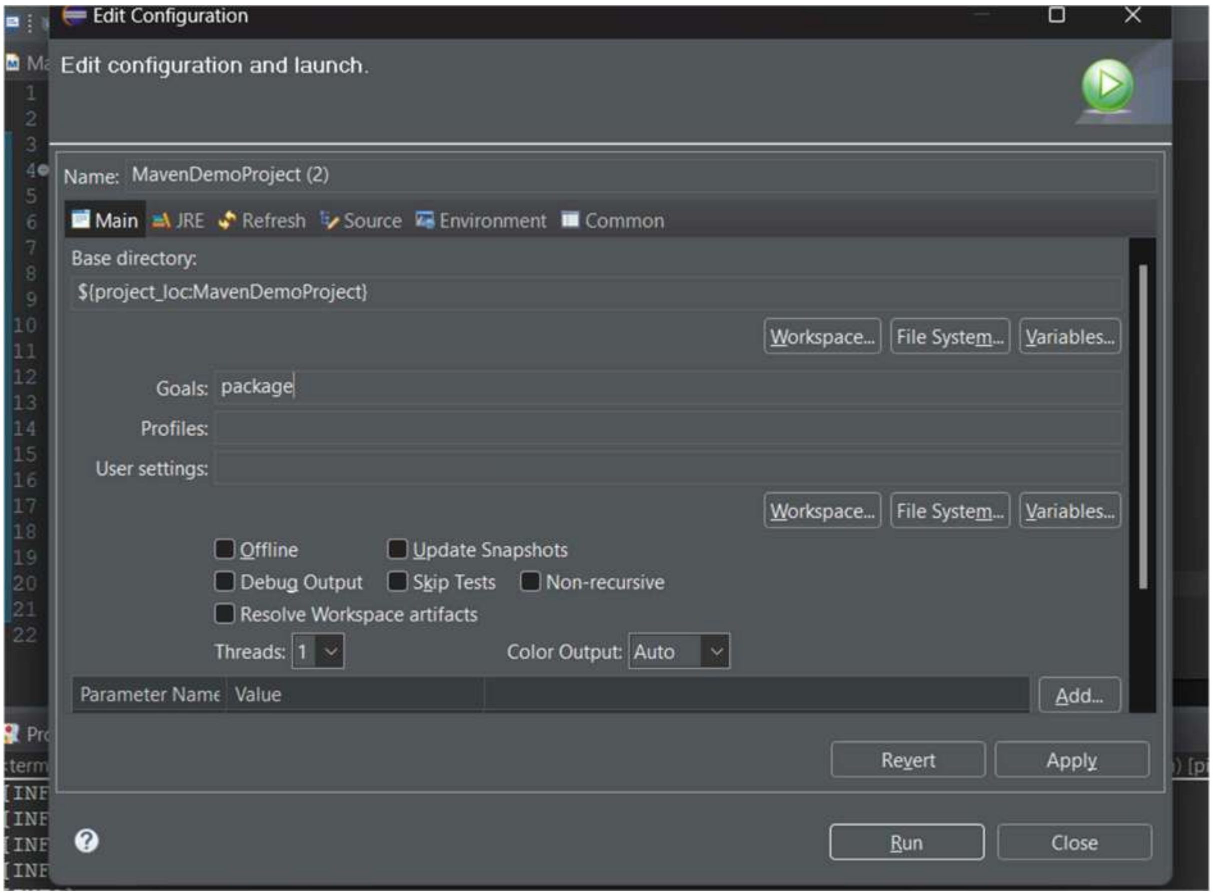


eclipse-workspace - MavenDemoProject/src/test/java/brian21MIC0131/PrimeChecker.java - Eclipse IDE

```java
package brian21MIC0131;

public class PrimeChecker {
    public static void main(String args[]){
            int i,m=0,flag=0;
            int n=3;//it is the number to be checked
            m=n/2;
            if(n==0||n==1){
             System.out.println(n+" is not prime number");
            }else{
             for(i=2;i<=m;i++){
              if(n%i==0){
               System.out.println(n+" is not prime number");
               flag=1;
               break;
              }
             }
             if(flag==0)  { System.out.println(n+" is prime number"); }
            }//end of else
        }
}
```

```
<terminated> MavenDemoProject [Maven Build] C:\Program Files\Java\jdk-17\bin\javaw.exe (30-Jan-2024, 12:08:32 pm – 12:08:35 pm) [pid: 3172]
[INFO] --------------------------------[ jar ]---------------------------------
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ MavenDemoProject ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- compiler:3.11.0:compile (default-compile) @ MavenDemoProject ---
[INFO] Nothing to compile - all classes are up to date
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  0.850 s
[INFO] Finished at: 2024-01-30T12:08:34+05:30
[INFO] ------------------------------------------------------------------------
```

Run as Maven build – goals – package



Edit Configuration

Edit configuration and launch.

Name: MavenDemoProject (2)

Main | JRE | Refresh | Source | Environment | Common

Base directory: ${project_loc:MavenDemoProject}

Goals: package

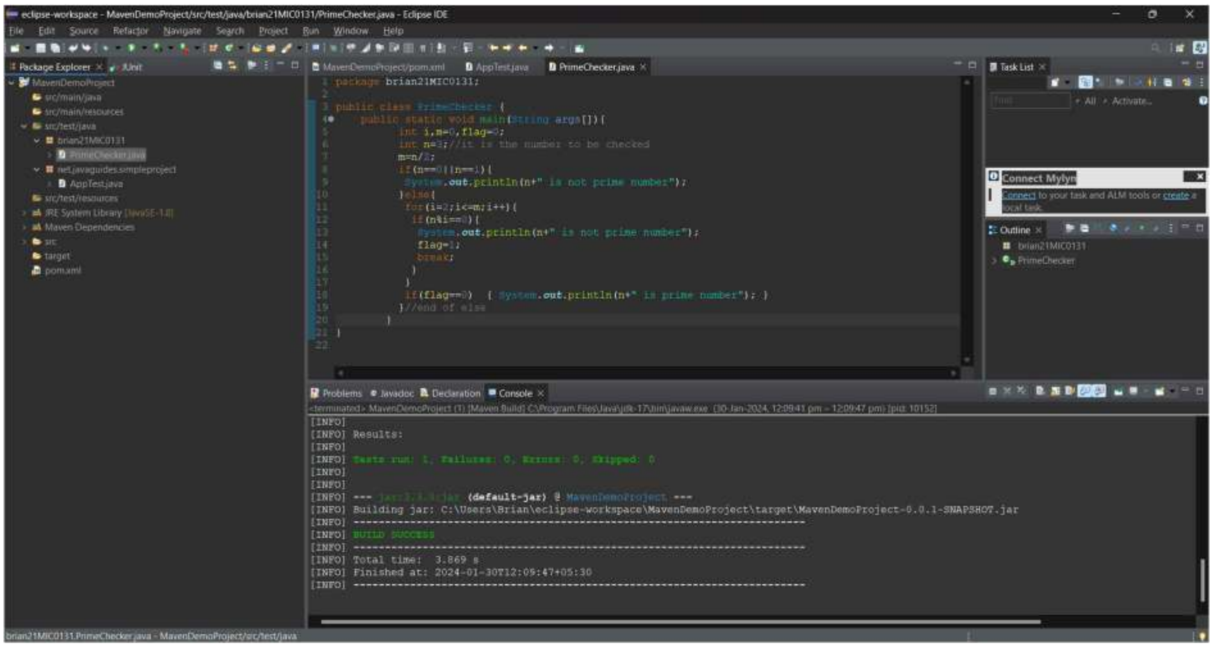
Profiles:

User settings:

- [ ] Offline
- [ ] Update Snapshots
- [ ] Debug Output
- [ ] Skip Tests
- [ ] Non-recursive
- [ ] Resolve Workspace artifacts

Threads: 1    Color Output: Auto

| Parameter Name | Value |
|---|---|



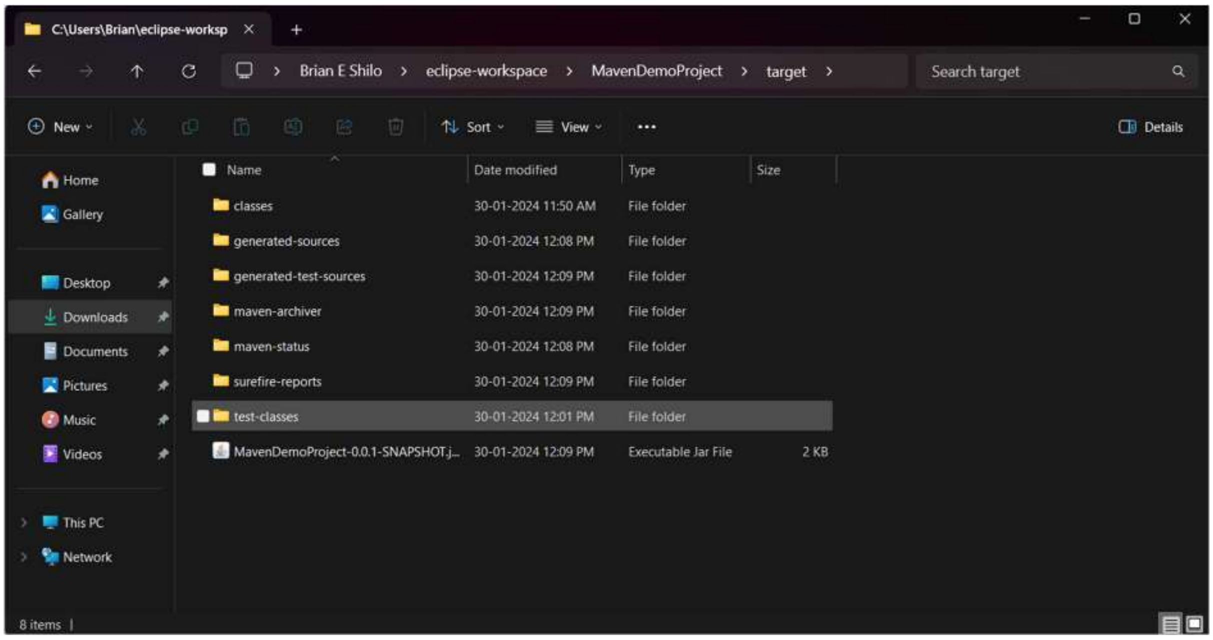
eclipse-workspace - MavenDemoProject/src/test/java/brian21MIC0131/PrimeChecker.java - Eclipse IDE

```java
package brian21MIC0131;

public class PrimeChecker {
    public static void main(String args[]){
            int i,m=0,flag=0;
            int n=3;//it is the number to be checked
            m=n/2;
            if(n==0||n==1){
             System.out.println(n+" is not prime number");
            }else{
             for(i=2;i<=m;i++){
              if(n%i==0){
               System.out.println(n+" is not prime number");
               flag=1;
               break;
              }
             }
             if(flag==0)  { System.out.println(n+" is prime number"); }
            }//end of else
        }
}
```

<terminated> MavenDemoProject (1) [Maven Build] C:\Program Files\Java\jdk-17\bin\javaw.exe (30-Jan-2024, 12:09:41 pm – 12:09:47 pm) [pid: 10152]

```
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- jar:3.3.0:jar (default-jar) @ MavenDemoProject ---
[INFO] Building jar: C:\Users\Brian\eclipse-workspace\MavenDemoProject\target\MavenDemoProject-0.0.1-SNAPSHOT.jar
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  3.869 s
[INFO] Finished at: 2024-01-30T12:09:47+05:30
[INFO] ------------------------------------------------------------------------
```

**We get path directory : C:\Users\Brian\eclipse-workspace\MavenDemoProject\target\**



| Name | Date modified | Type | Size |
|---|---|---|---|
| classes | 30-01-2024 11:50 AM | File folder | |
| generated-sources | 30-01-2024 12:08 PM | File folder | |
| generated-test-sources | 30-01-2024 12:09 PM | File folder | |
| maven-archiver | 30-01-2024 12:09 PM | File folder | |
| maven-status | 30-01-2024 12:08 PM | File folder | |
| surefire-reports | 30-01-2024 12:09 PM | File folder | |
| test-classes | 30-01-2024 12:01 PM | File folder | |
| MavenDemoProject-0.0.1-SNAPSHOT.j... | 30-01-2024 12:09 PM | Executable Jar File | 2 KB |

*********************************************************************************