Assignment 2

Description : Create a Java project in Maven by typing in command prompt as

mvn archetype:generate -DgroupId=demo.calculator -DartifactId=demo.calculator -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false

See that a Java project is created with name demo.calculator in your file system.

Check the pom.xml file.

Add the followings in pom.xml.

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

<maven.compiler.source>1.8</maven.compiler.source>

<maven.compiler.target>1.8</maven.compiler.target>

</properties>

Modify the test dependency as follows

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.0</version>

<scope>test</scope>

</dependency>

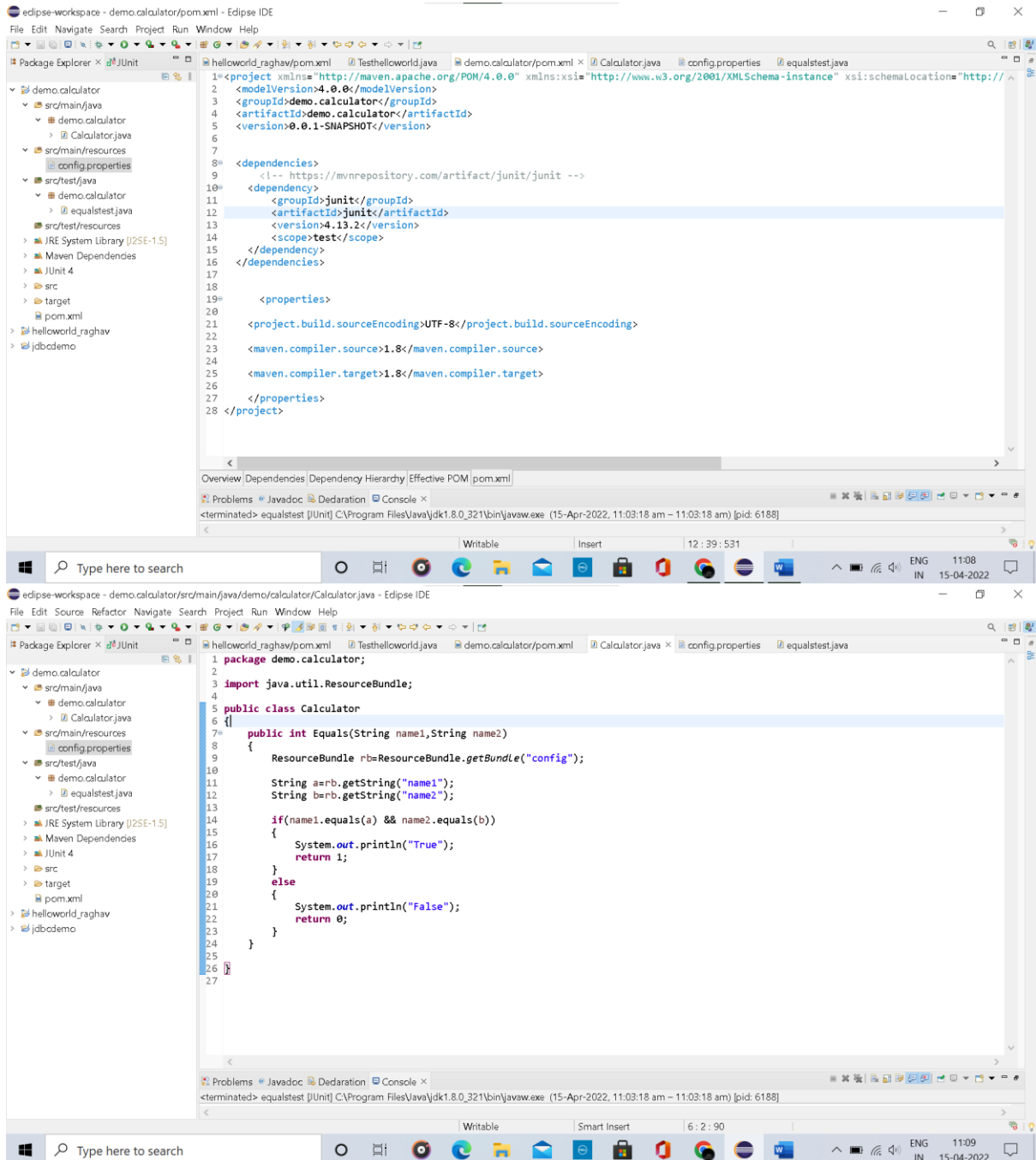Create java application as Calculator.

Again Maven build.
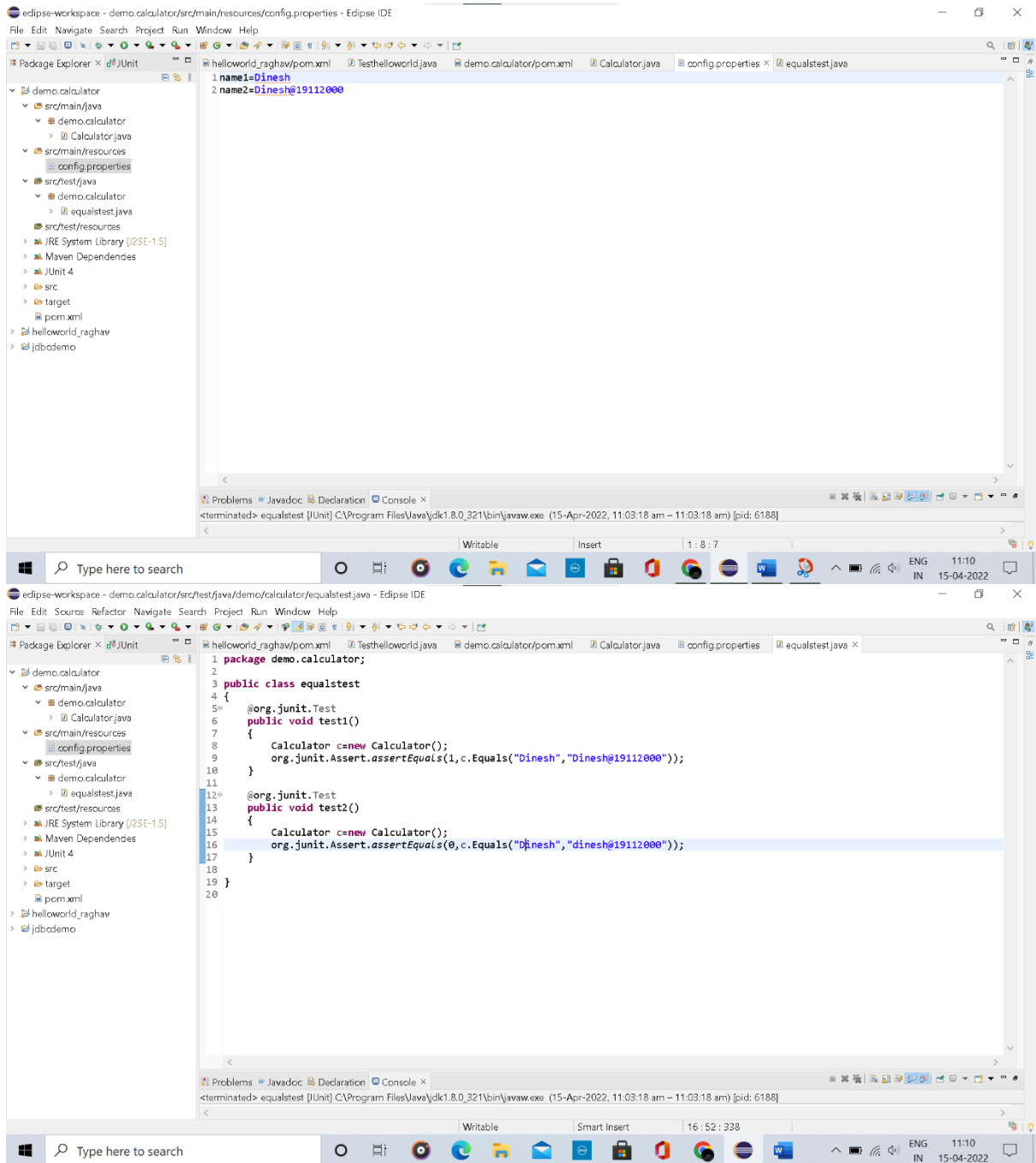
Create Jar file

Run the application through Mavan.

Create Test code for the above application.

Again Maven build.

Run Test

Source Code:

helloworld_raghav/pom.xml Testhelloworld.java demo.calculator/pom.xml Calculator.java config.properties × equalstest.java

```
1 name1=Dinesh
2 name2=Dinesh@19112000
```

- demo.calculator
  - src/main/java
    - demo.calculator
      - Calculator.java
  - src/main/resources
    - config.properties
  - src/test/java
    - demo.calculator
      - equalstest.java
  - src/test/resources
  - JRE System Library [J2SE-1.5]
  - Maven Dependendes
  - JUnit 4
  - src
  - target
  - pom.xml
- helloworld_raghav
- jdbcdemo

Problems Javadoc Declaration Console ×
<terminated> equalstest [JUnit] C:\Program Files\Java\jdk1.8.0_321\bin\javaw.exe (15-Apr-2022, 11:03:18 am – 11:03:18 am) [pid: 6188]

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helloworld_raghav/pom.xml Testhelloworld.java demo.calculator/pom.xml Calculator.java config.properties equalstest.java ×

```java
1 package demo.calculator;
2
3 public class equalstest
4 {
5     @org.junit.Test
6     public void test1()
7     {
8         Calculator c=new Calculator();
9         org.junit.Assert.assertEquals(1,c.Equals("Dinesh","Dinesh@19112000"));
10    }
11
12    @org.junit.Test
13    public void test2()
14    {
15        Calculator c=new Calculator();
16        org.junit.Assert.assertEquals(0,c.Equals("Dinesh","dinesh@19112000"));
17    }
18
19 }
20
```

- demo.calculator
  - src/main/java
    - demo.calculator
      - Calculator.java
  - src/main/resources
    - config.properties
  - src/test/java
    - demo.calculator
      - equalstest.java
  - src/test/resources
  - JRE System Library [J2SE-1.5]
  - Maven Dependendes
  - JUnit 4
  - src
  - target
  - pom.xml
- helloworld_raghav
- jdbcdemo

Problems Javadoc Declaration Console ×
<terminated> equalstest [JUnit] C:\Program Files\Java\jdk1.8.0_321\bin\javaw.exe (15-Apr-2022, 11:03:18 am – 11:03:18 am) [pid: 6188]

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OUTPUT: