# Documentation

* In this Assignment we are creating a RMI calculator using java RMI
* It supports stack operations and arithmetic operations also, and Multiple clients can connect to the same server also.
* I had written my code in Eclipse Ide compiled and I had also compiled it using the windows Power shell.

**Steps to compile:**

* Since it is a Maven Project we need java 17 or later

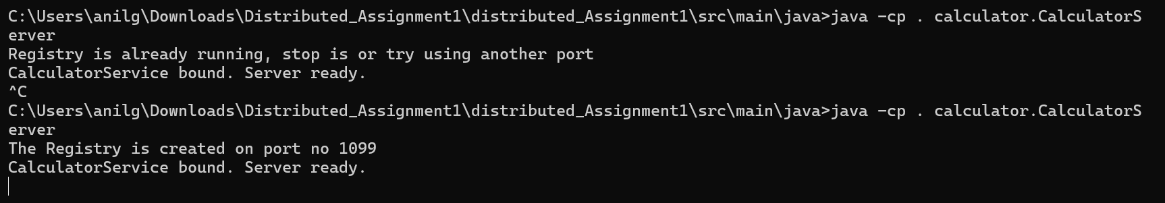
**Step 1:** Copy the root directory and change the command to our root in power shell and rum the server program to start the rmi registry

Here I saved the program in C drive you can change your path where you saved it.

**C:\Users\anilg\Downloads\Distributed\_Assignment1\distributed\_Assignment1\src\main\java**

**Java -cp . calculator.CalculatorServer**

**//RMI registry will get started**



When we hit enter we get output like this

**Step 2:** Now The server is ready Open new terminal Window and run the client.

Be Sure to be in the same path in new window also

**java -cp . calculator.CalculatorClient**

Make sure to open it in new terminal or window.

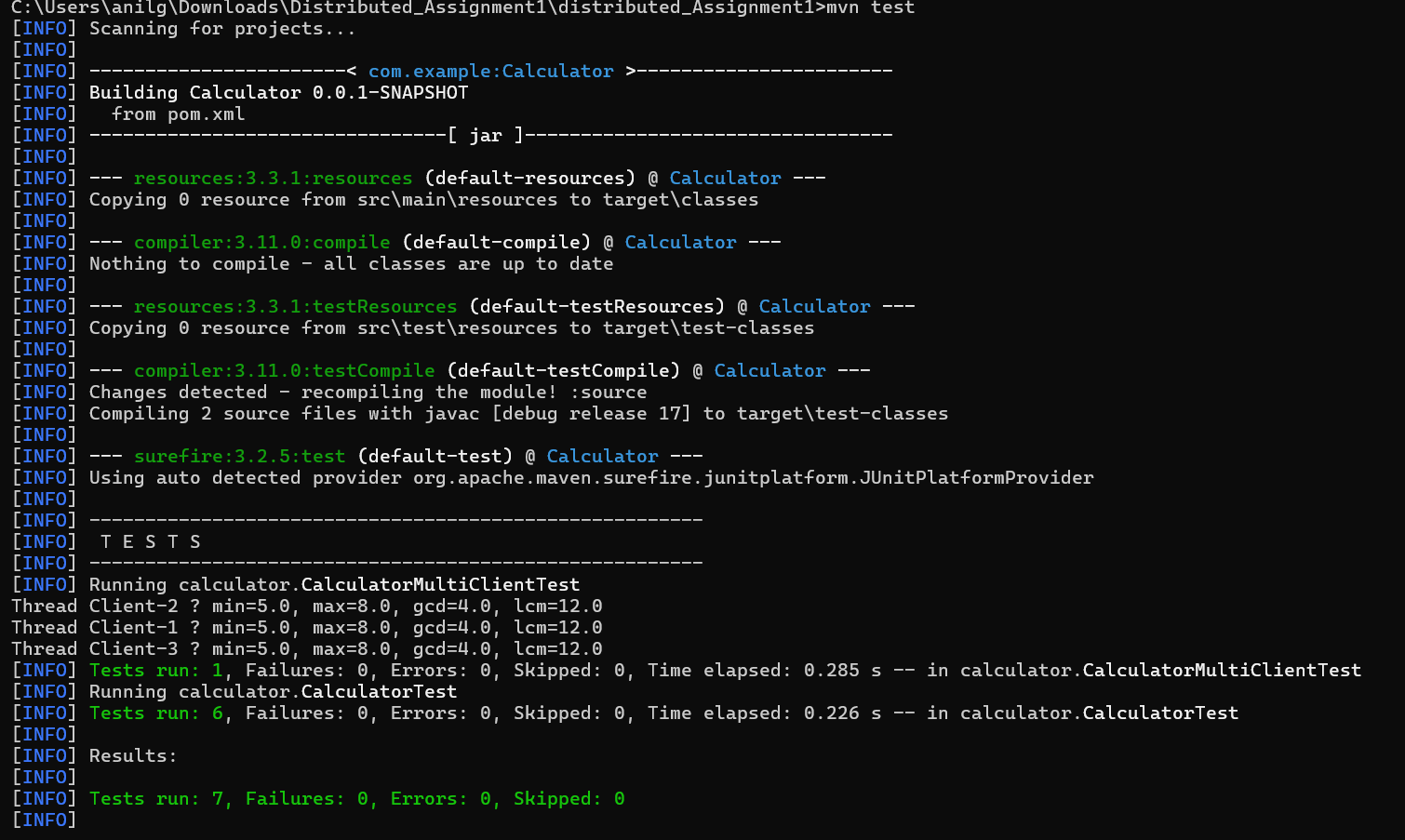
Here client can perform the actions also

Step 3: now we need to test the code we have written whether it is working as intended or not.

* Before that we need to come to our root directory because maven needs to read POM.XML file.

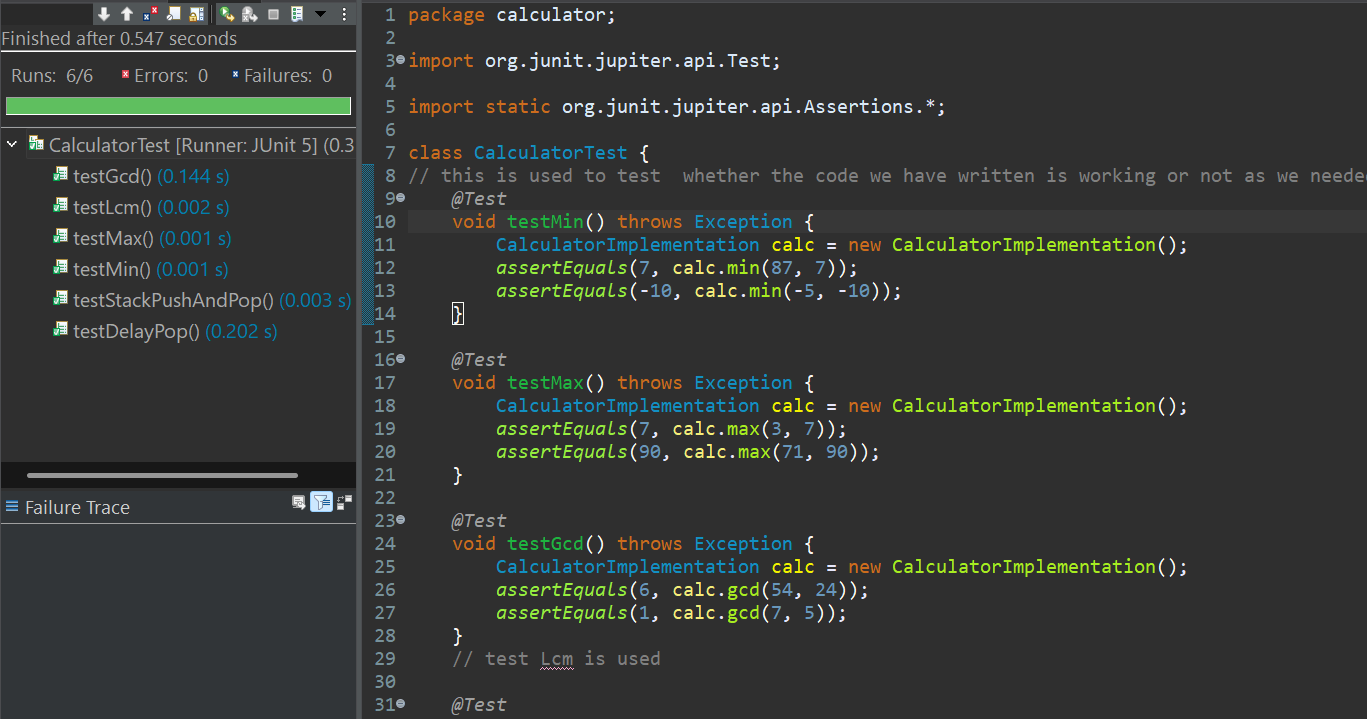
**C:\Users\anilg\Downloads\Distributed\_Assignment1\distributed\_Assignment**  **mvn test**

**Enter the above command to get the test results**



We can see the Test cases have passed for our Test Programs.

We can also see the output in our EclipseIDE



Output of our Test in EclipseIDE