

***PRACTICAL FILE***

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**CLASS: CSE DEVOPS 4th SEM B-1**

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**Subject: Build and Release Management**

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**Experiment 1**

**Aim:**

**1.Create a Java Project using Maven.**

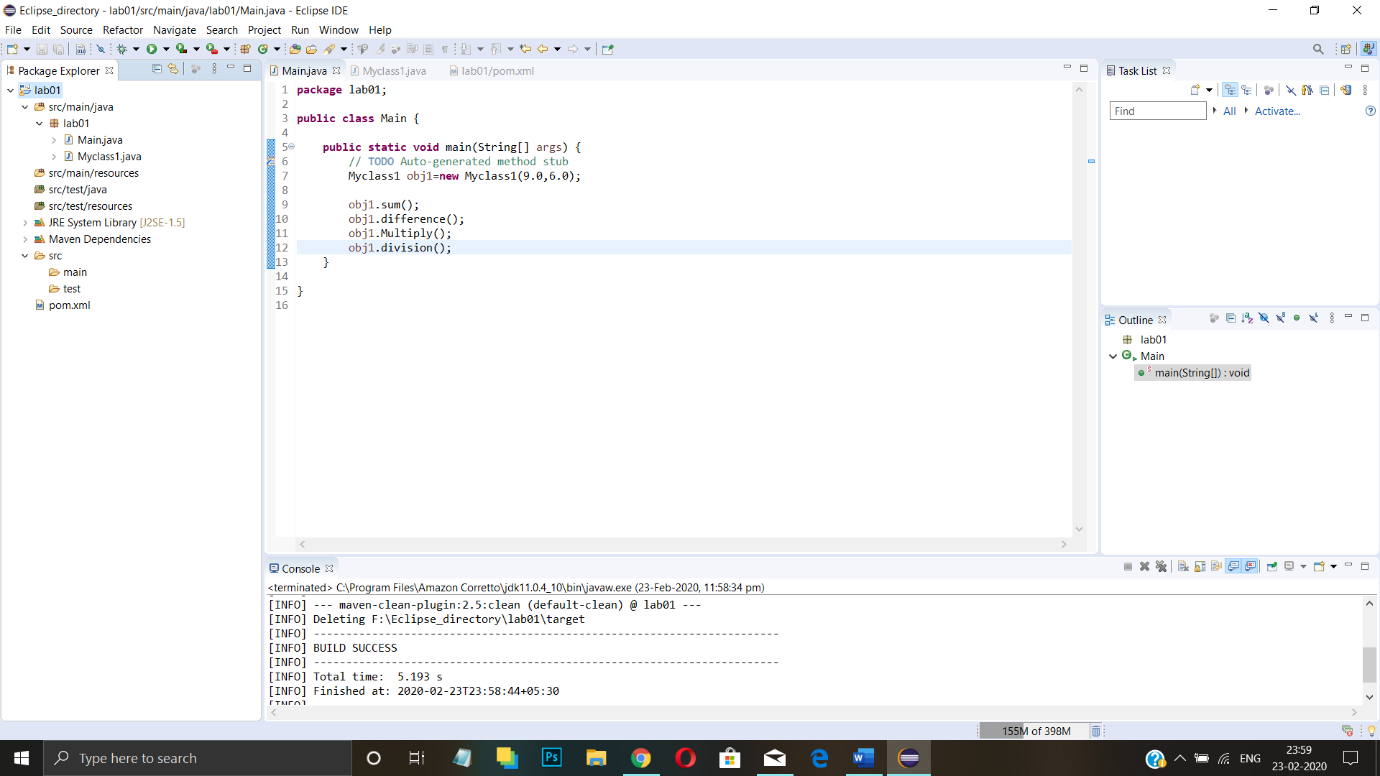
**2.Run the following maven goals on this project**

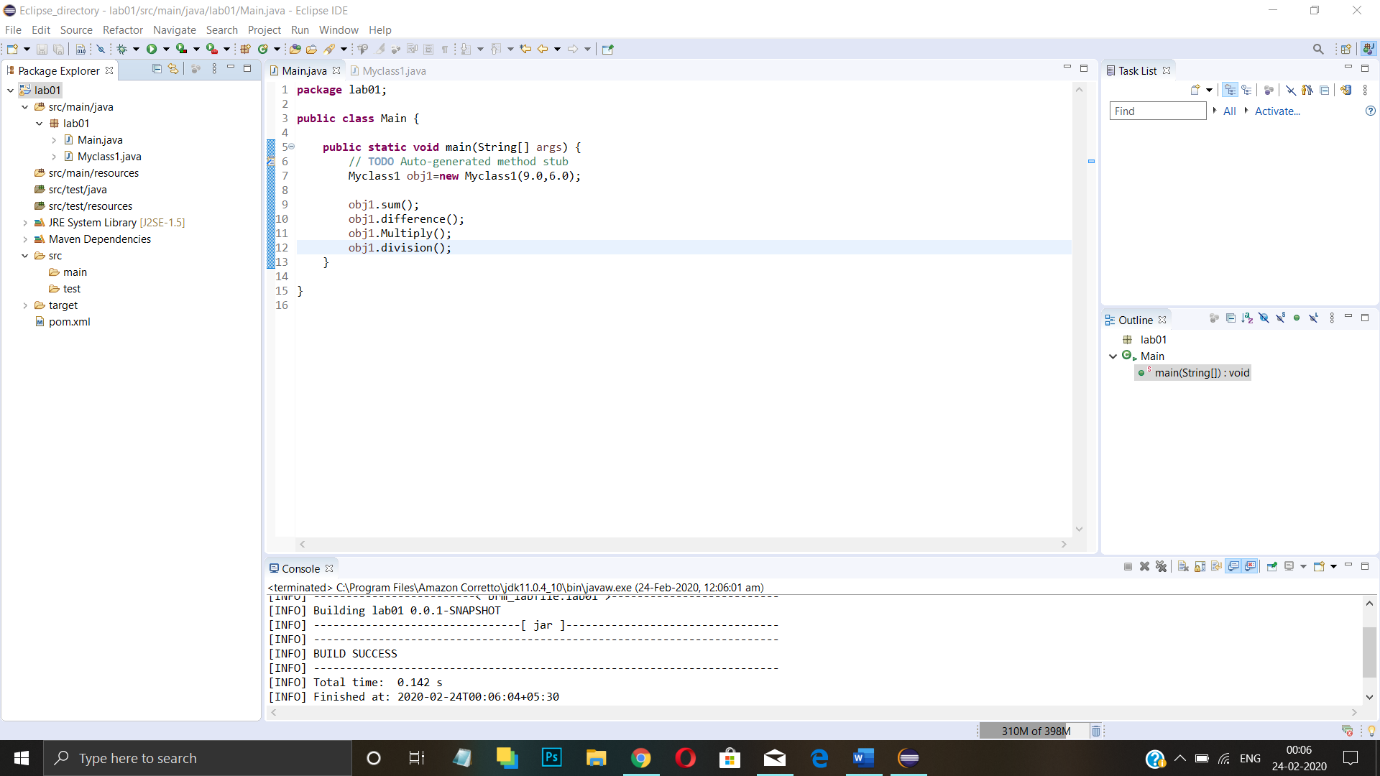
**3.Clean**

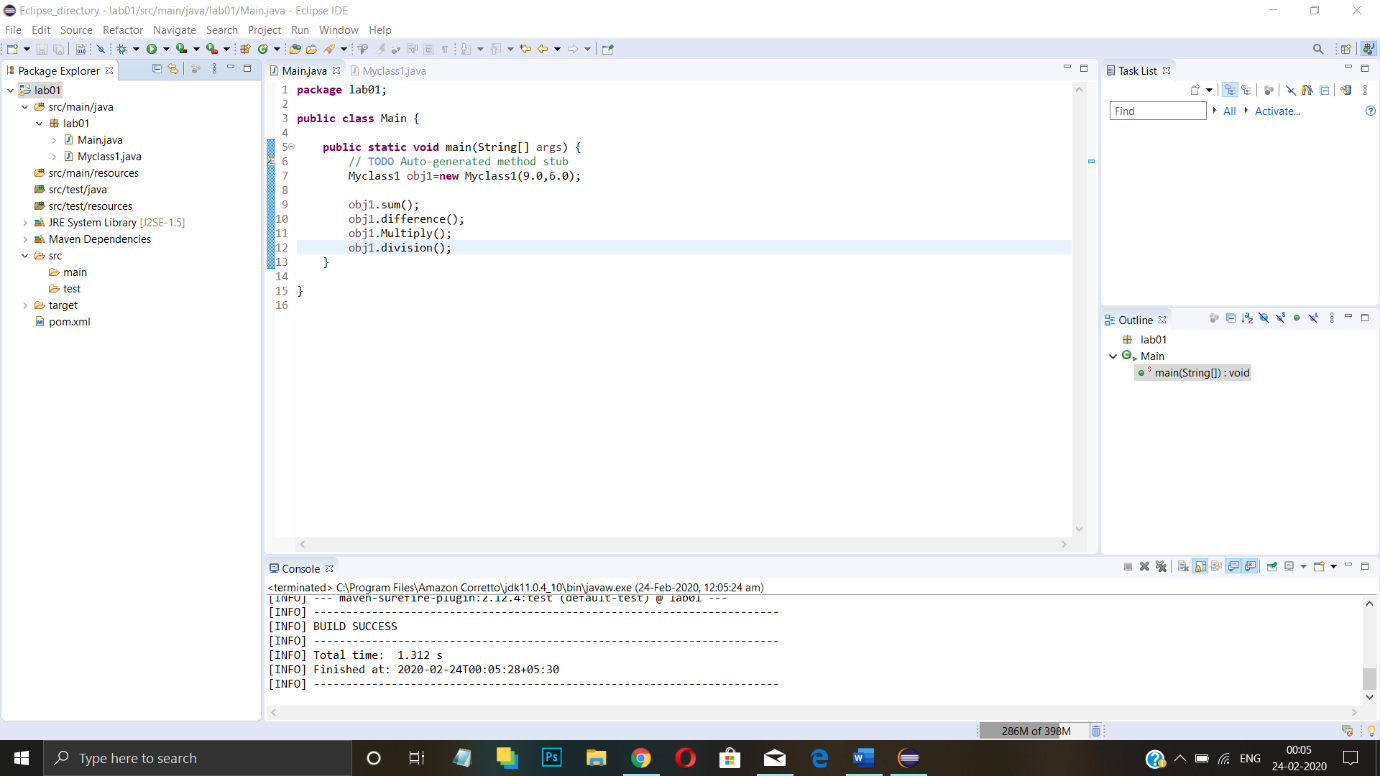
**4.Compile**

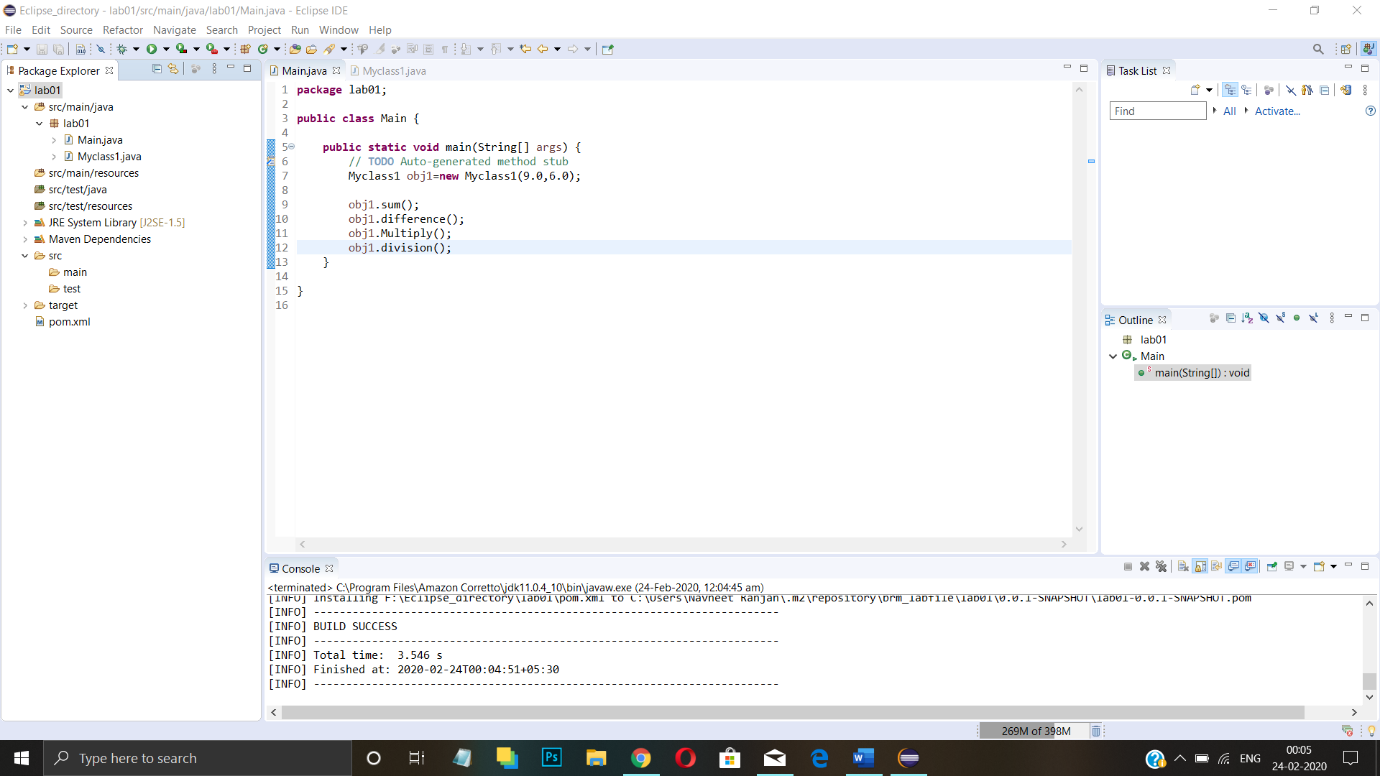
**5.Test-Compile**

**6.Install**



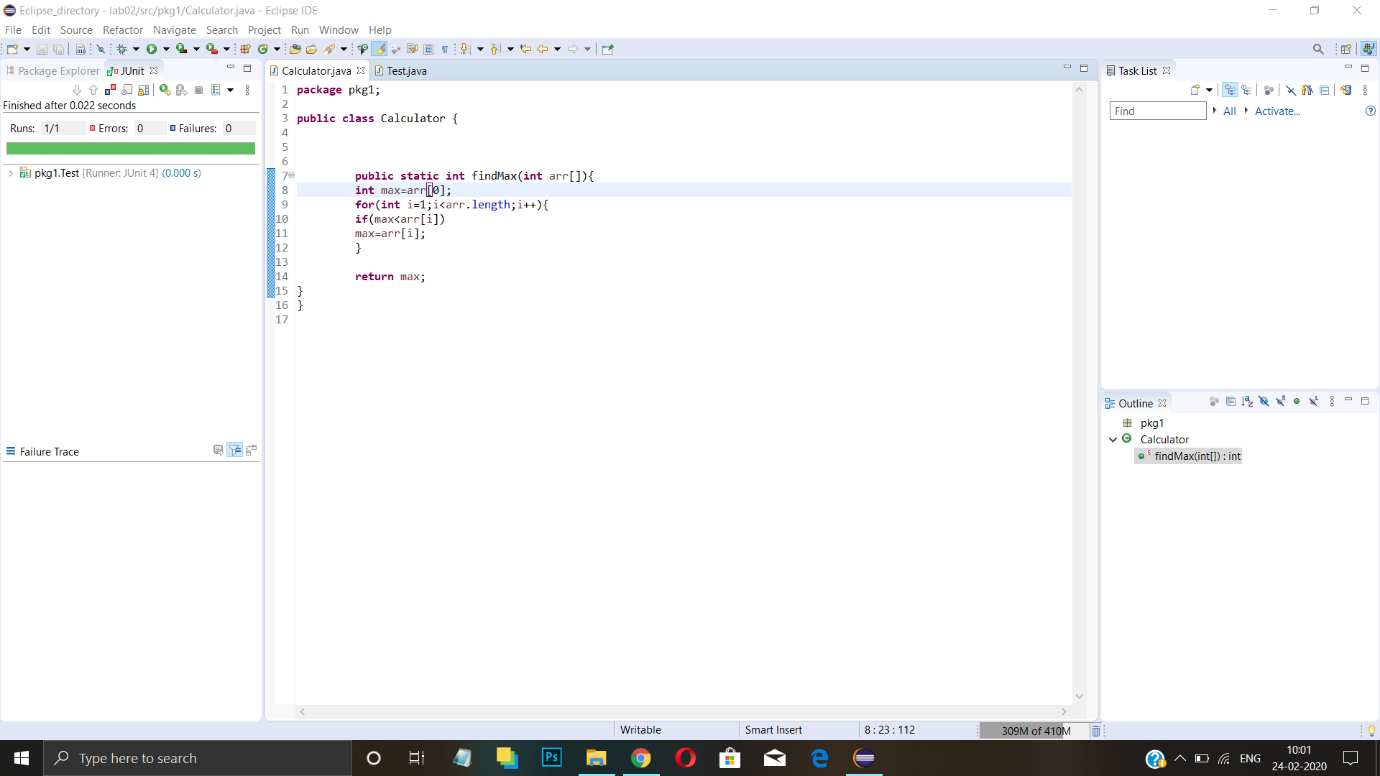


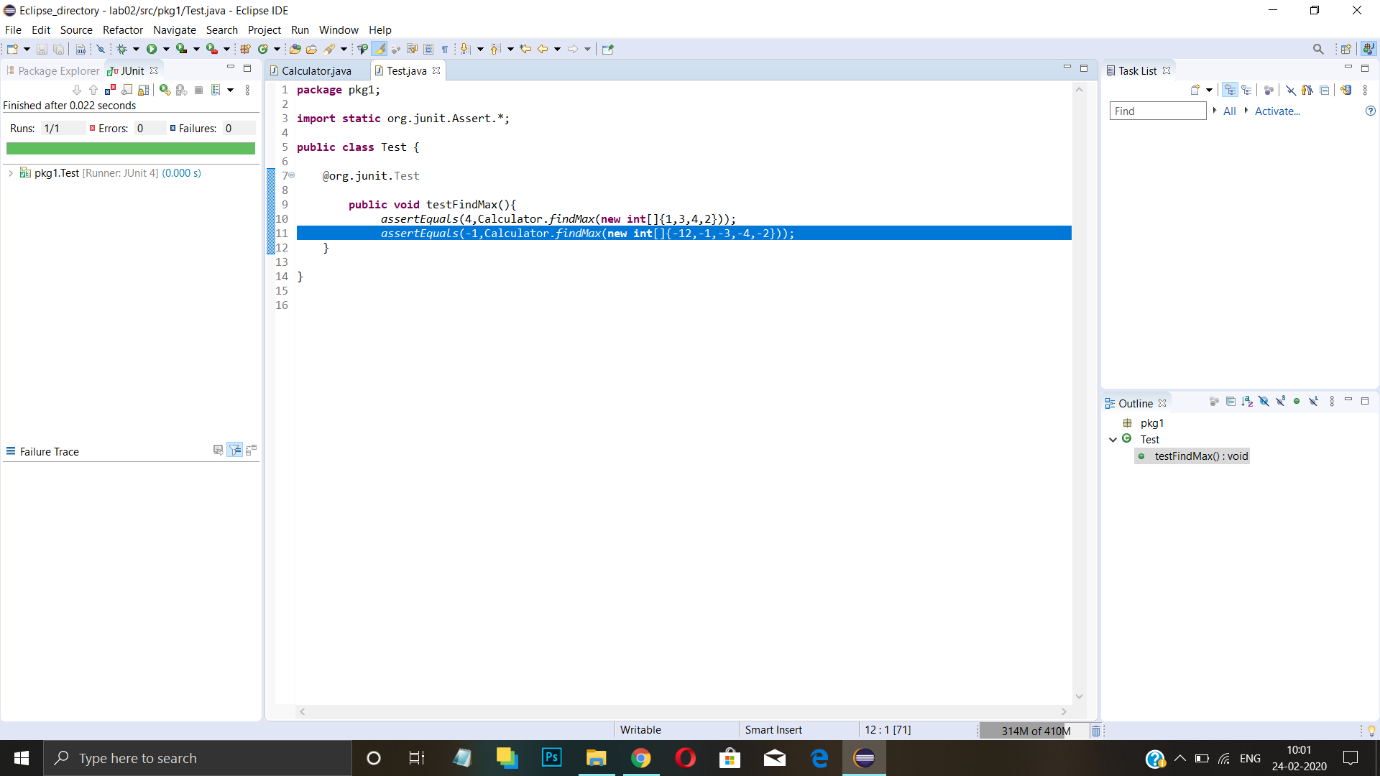




**Experiment 2**

**Aim: Unit Testing using Junit tool**



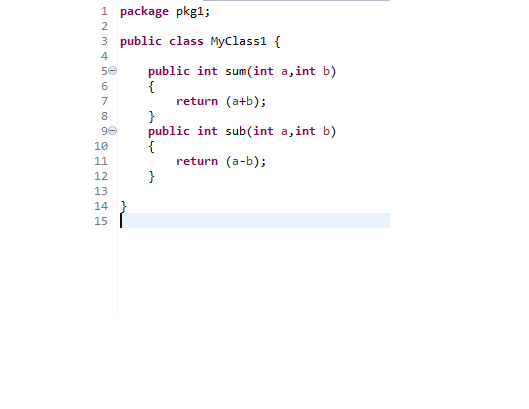


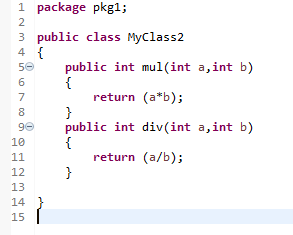
**Experiment 3**

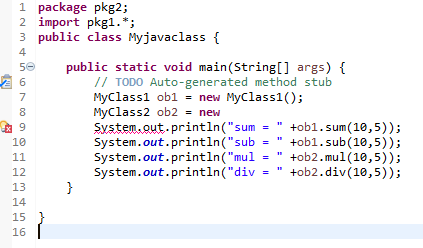
**Aim: Maven Build and usage in other Java Project**

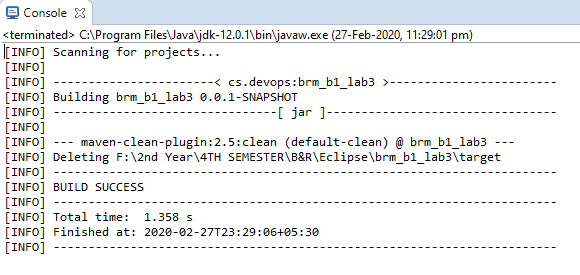
**1. Create a Build of java project using maven.**

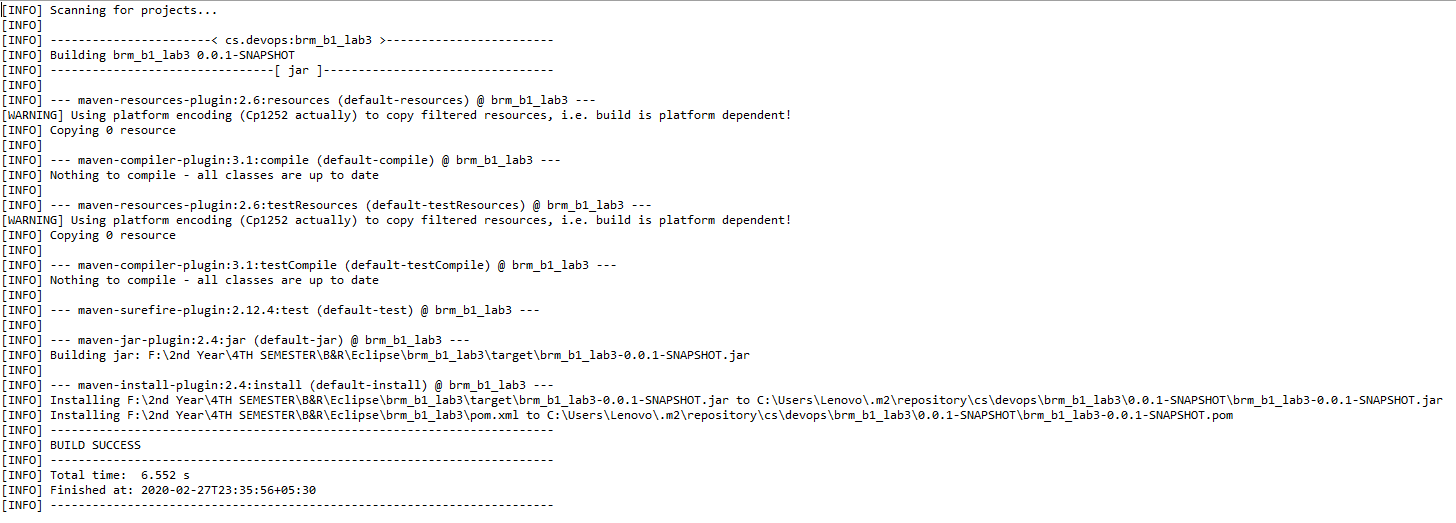
**2. Use that build in some other Java Project.**

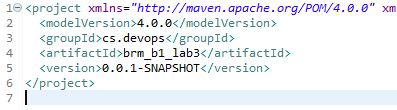


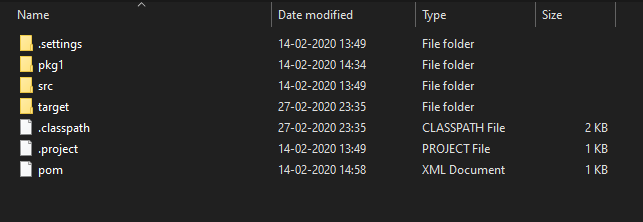


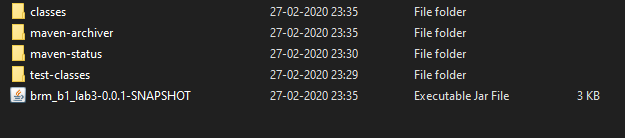






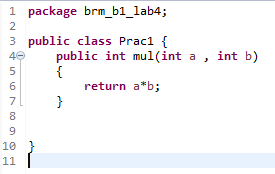


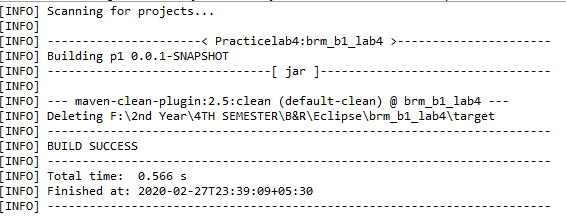


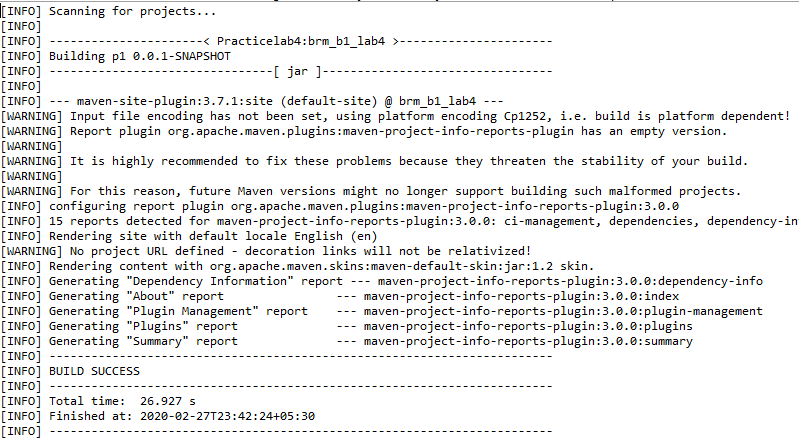


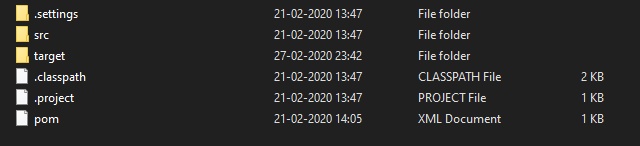
**Experiment 4**

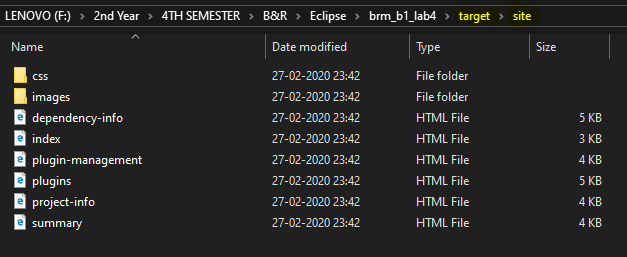
**Aim: Install and Manage Maven Plugin Install Site Plugin and use “mvn site” command and goal for generating documents for Maven Project.**











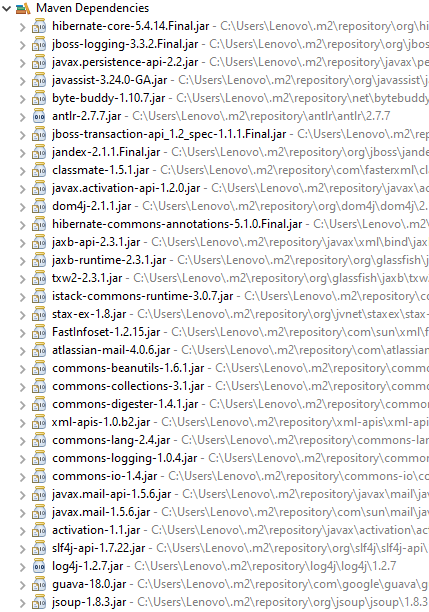
**Experiment 5**

**Aim: Working with Maven Repository**

**1. Add Central Repository (Hibernate)**

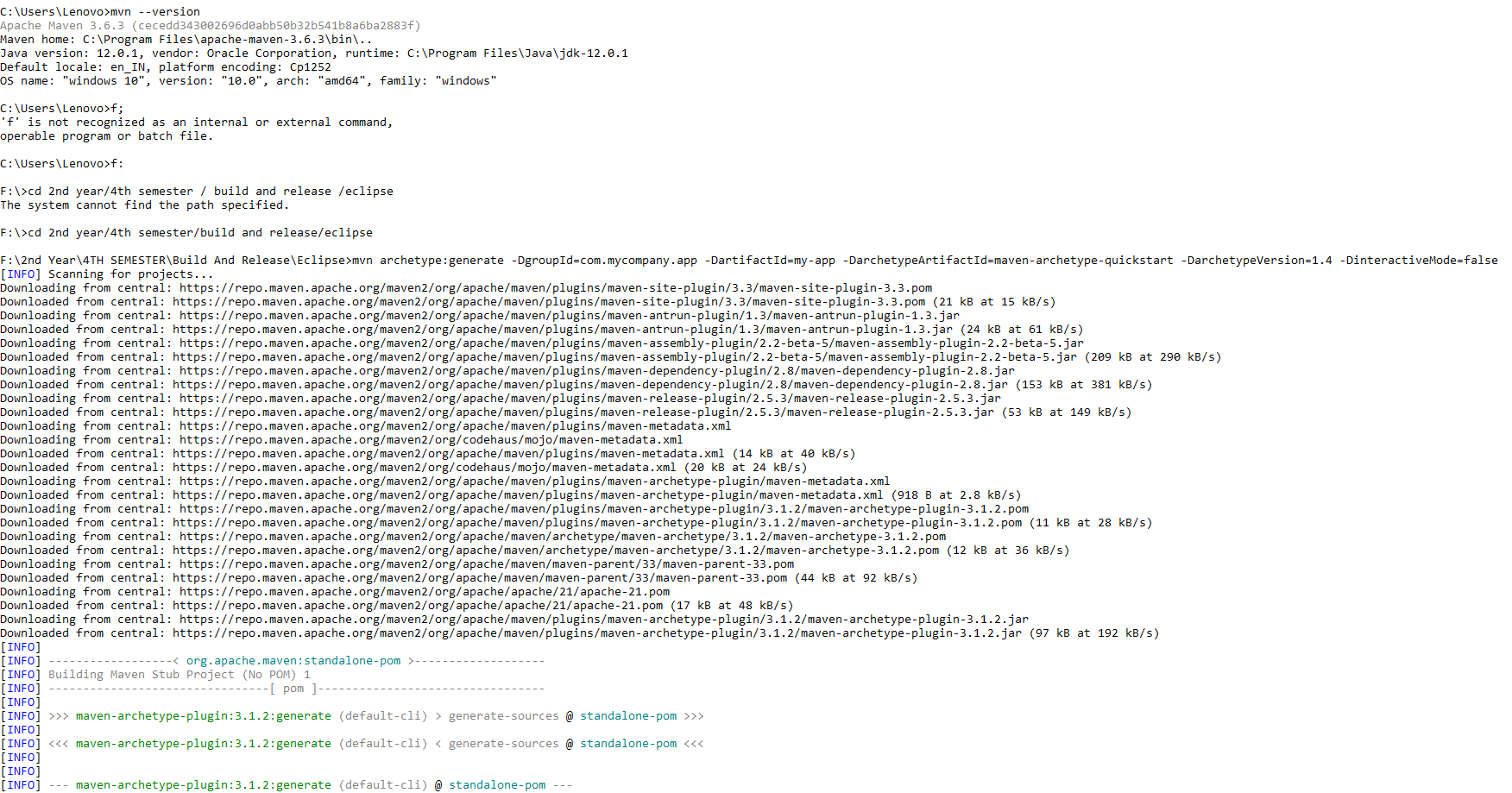
**2. Add Remote Repository (Atlassian Mail)**

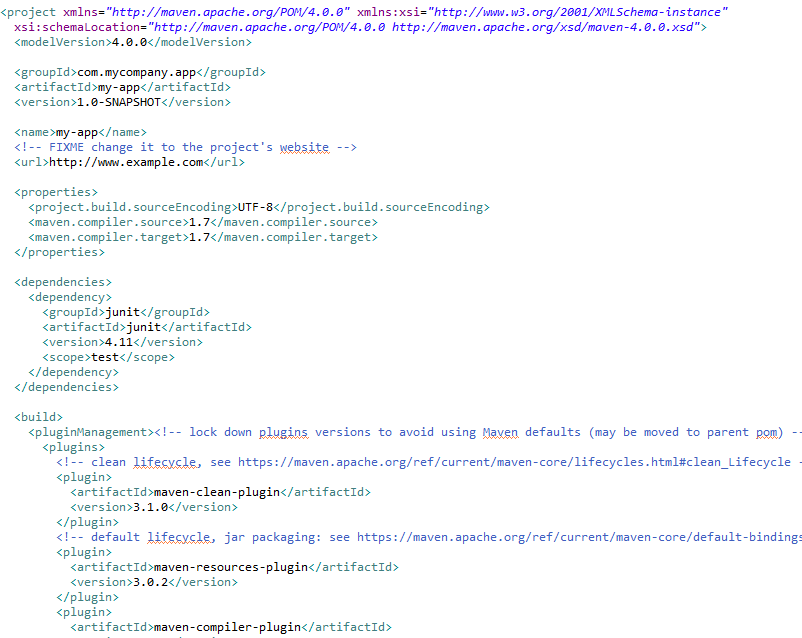


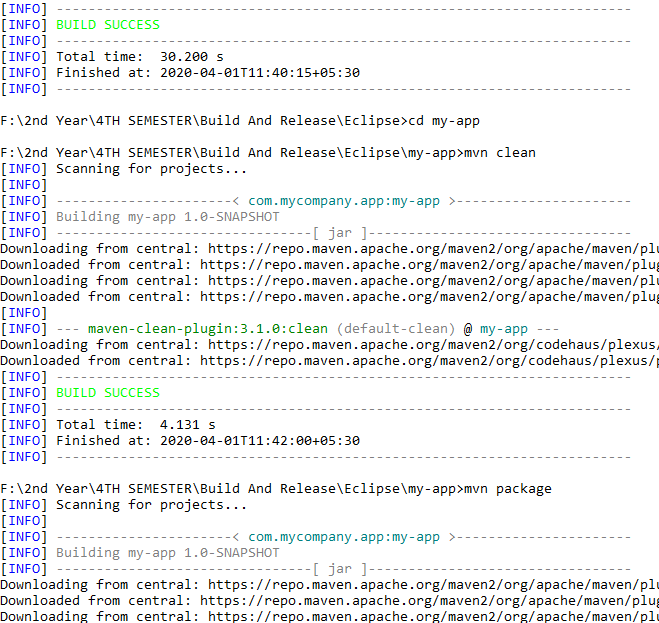


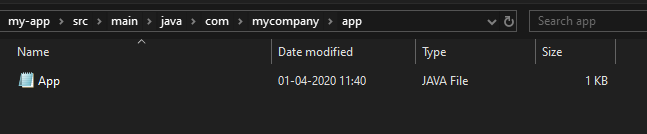
**Experiment 6**

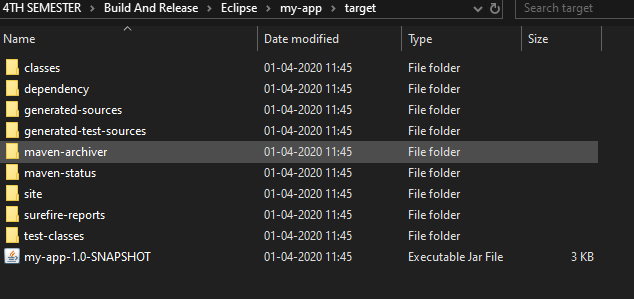
**Aim: Create a simple Maven Project using CLI**





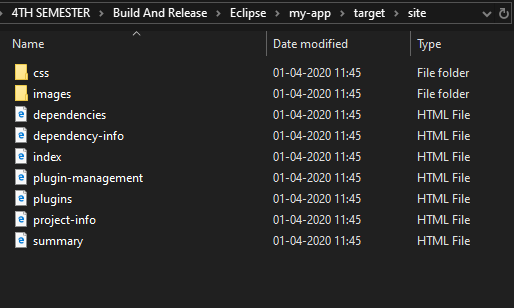






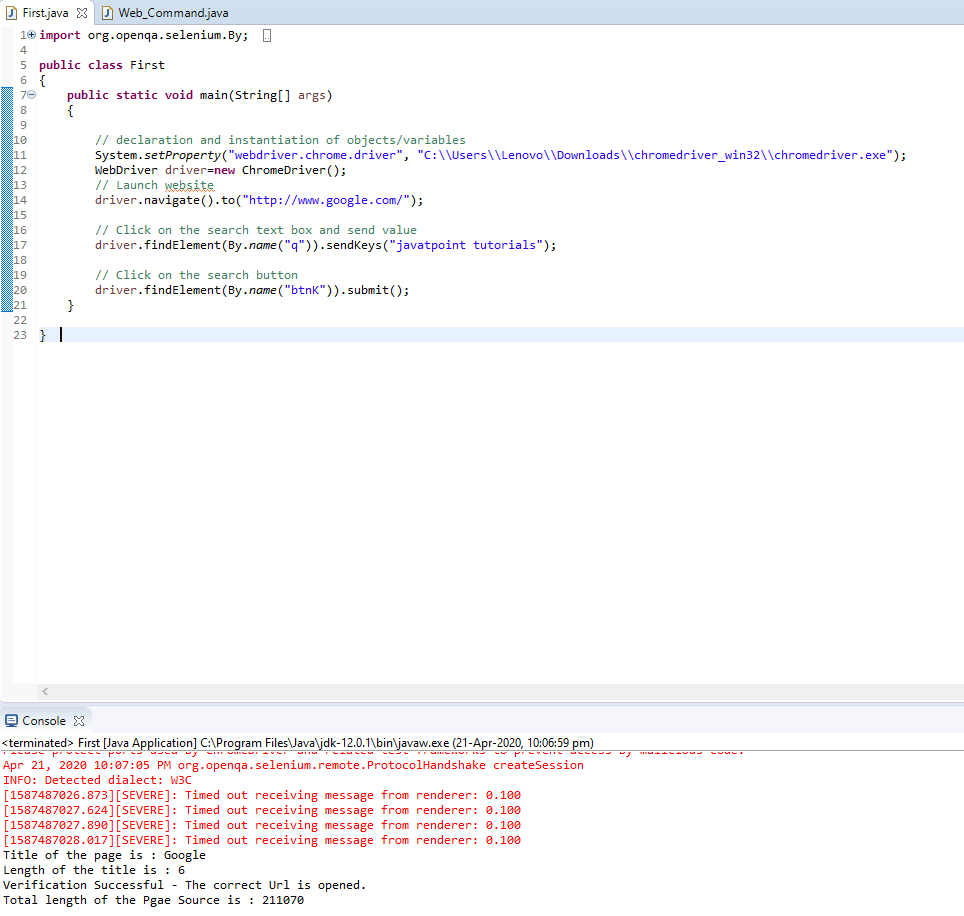


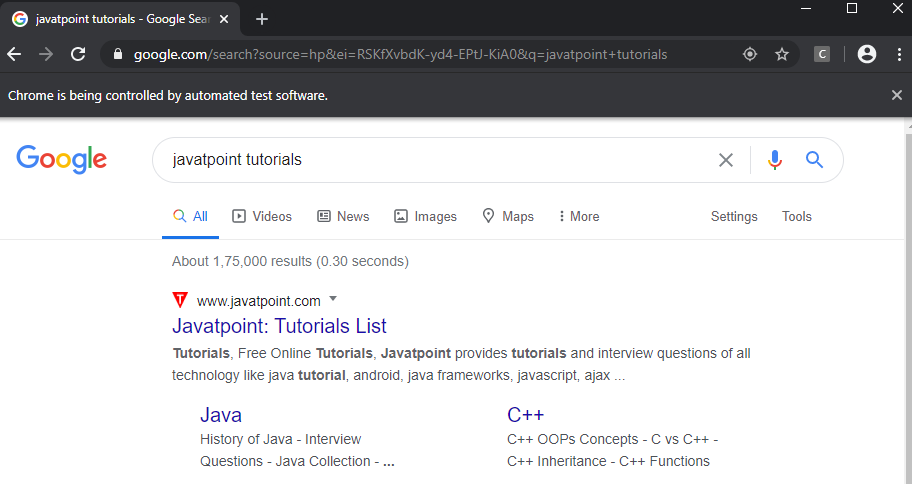


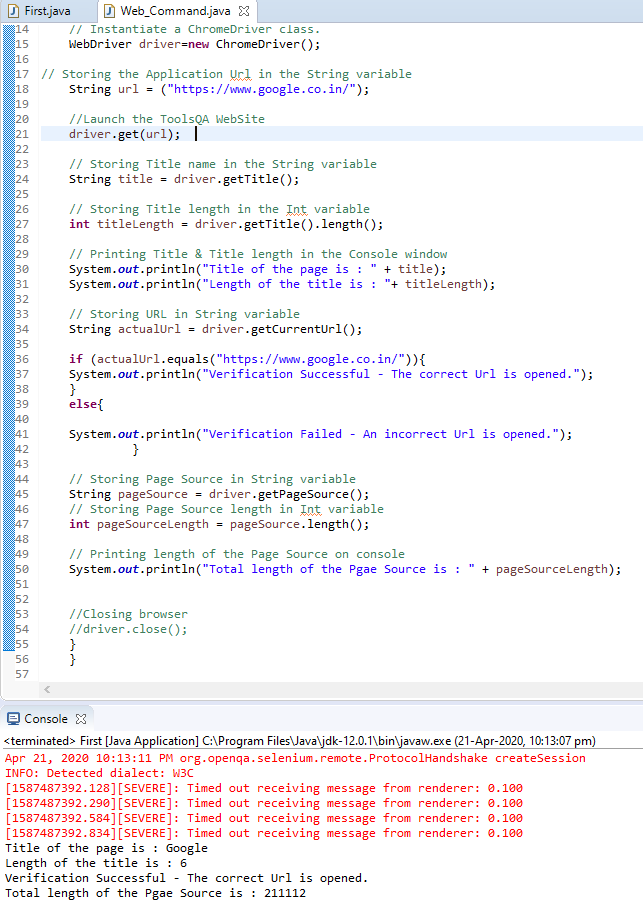


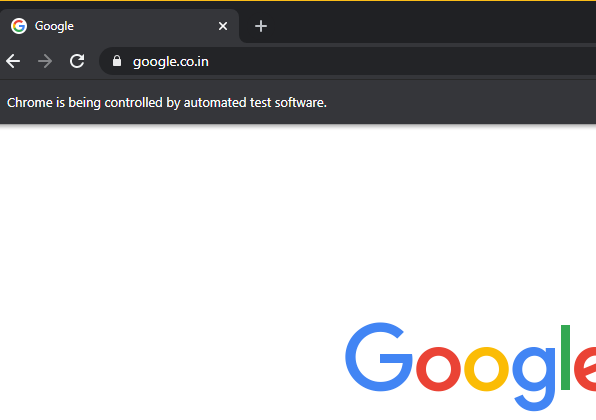
**Experiment 7**

**Aim: Selenium WebDriver Perform Automation testing using Selenium Web Driver for testing a web page.**



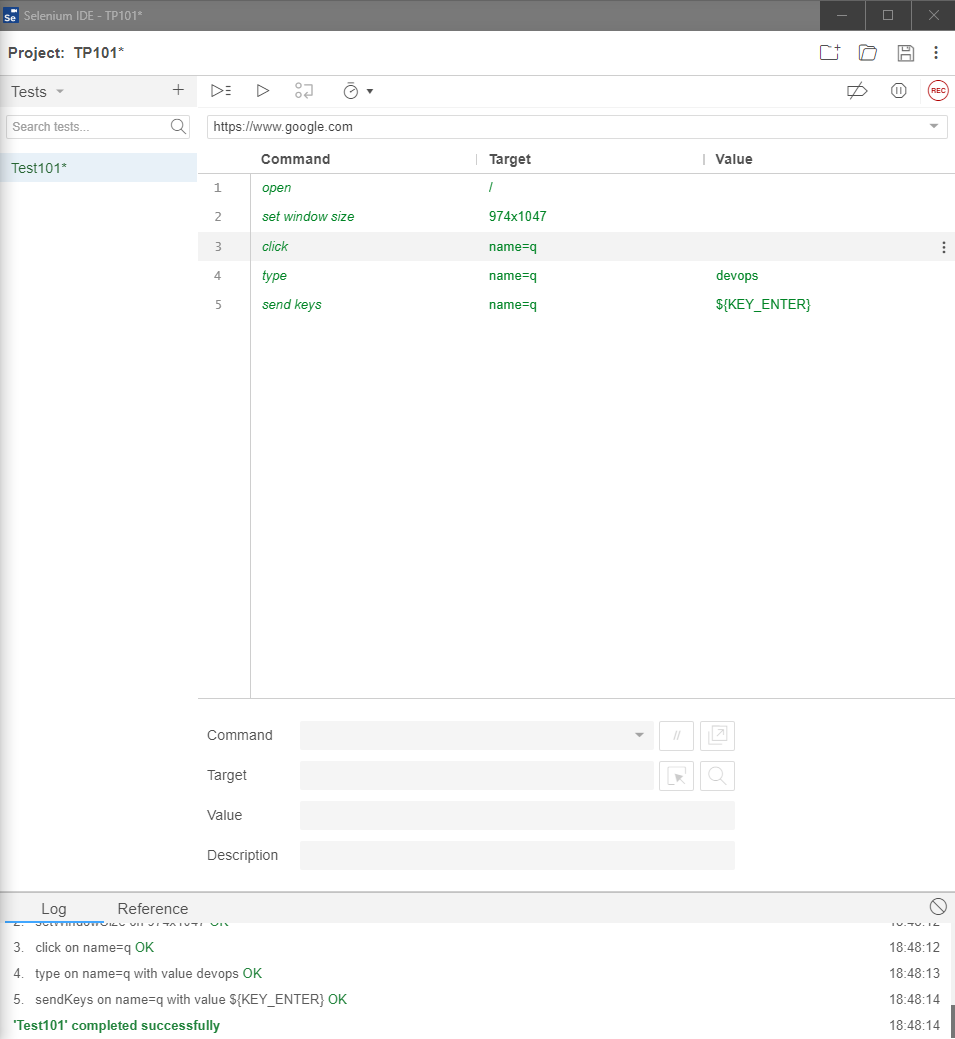




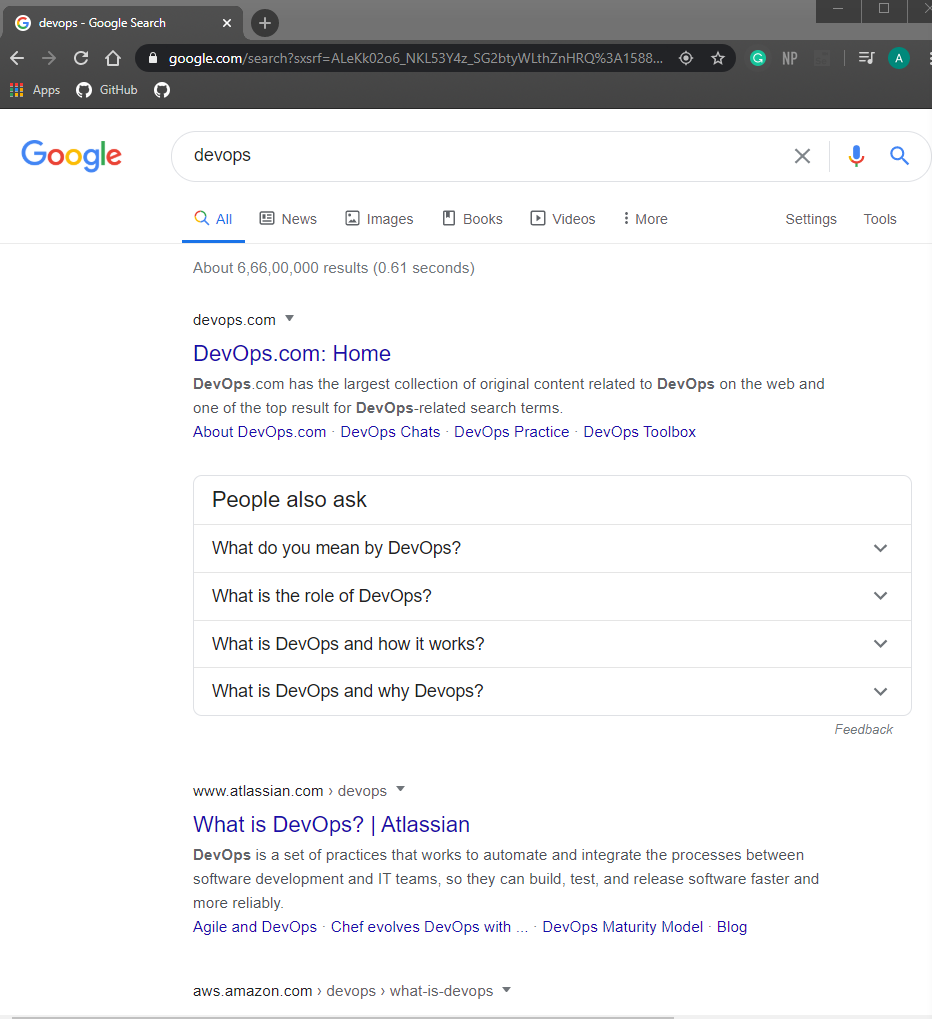


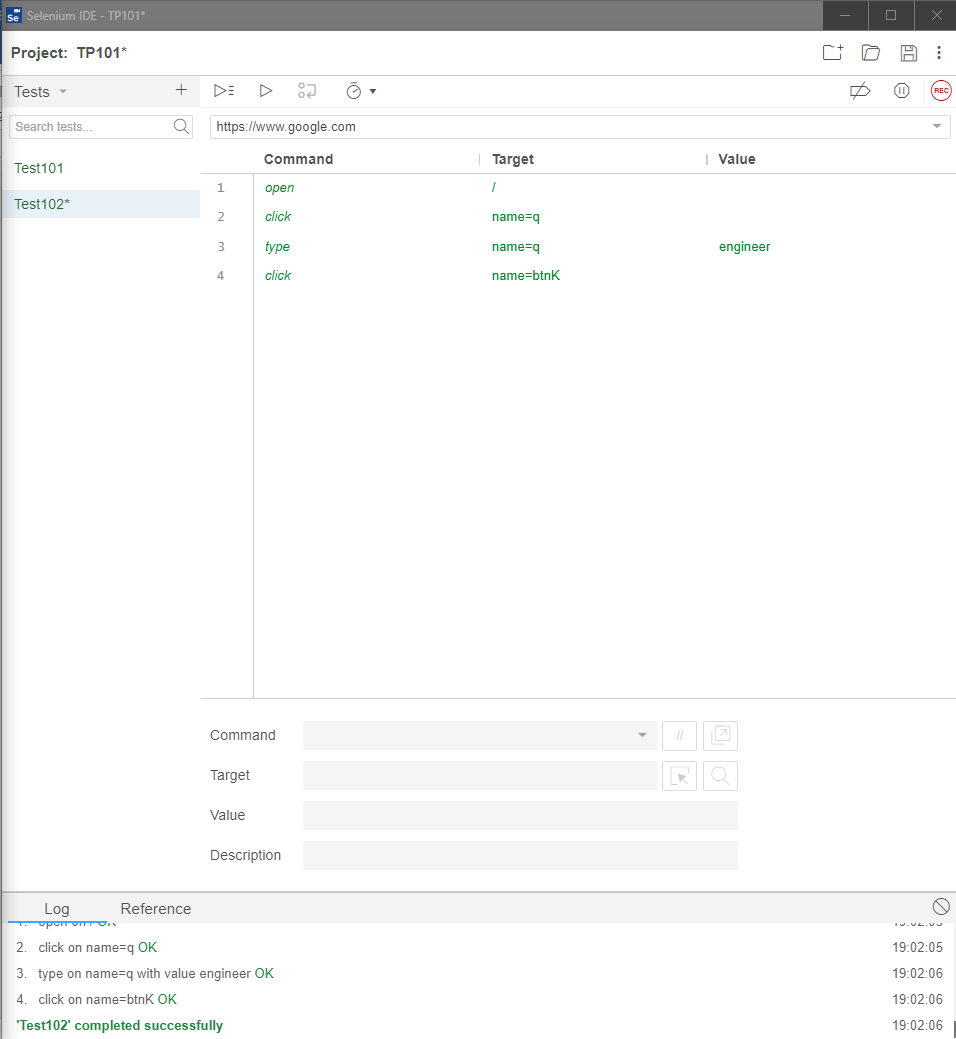
**Experiment 8**

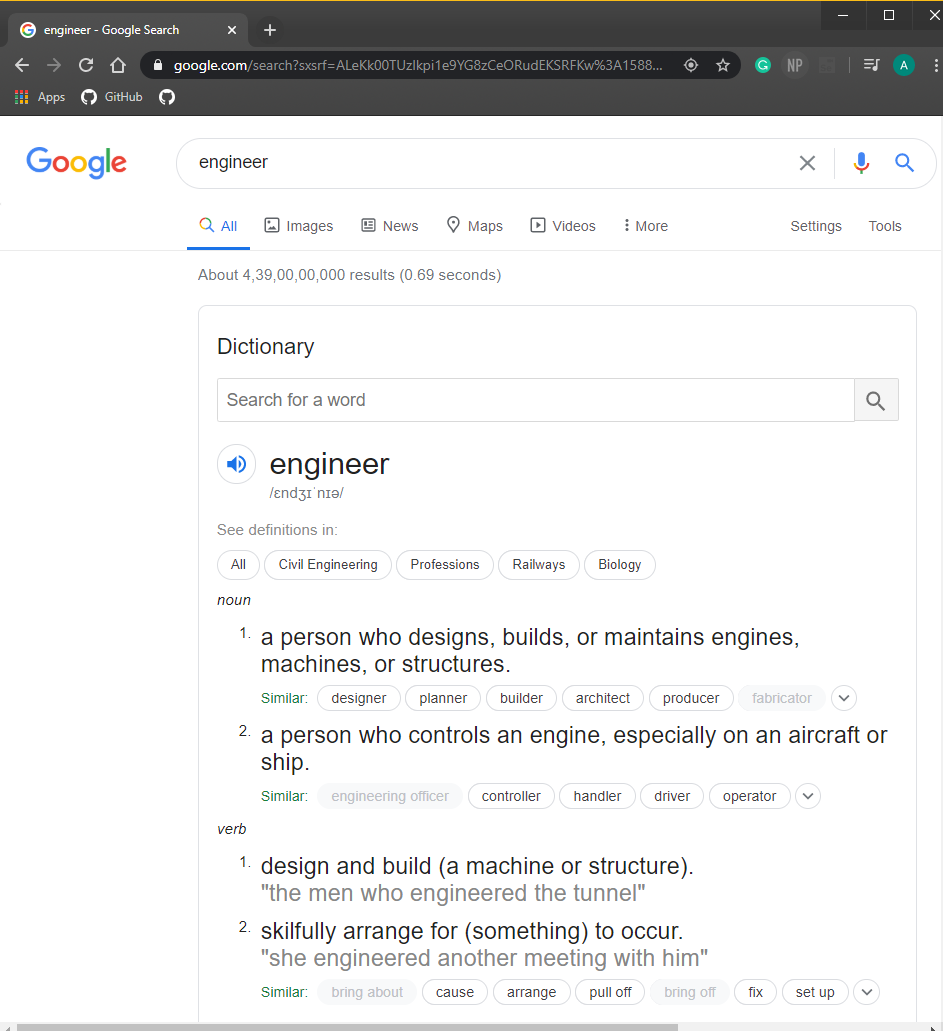
**Aim: Selenium IDE. Perform Automation testing using Selenium IDE for testing a web page.**



run



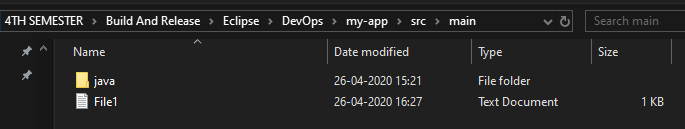




**Experiment 9**

**Aim: Build Profile using maven**



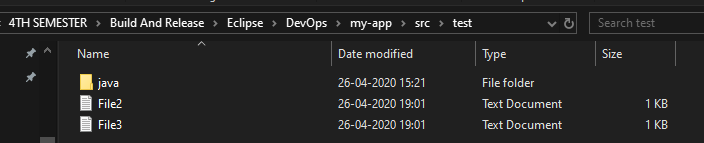


**Command Run : mvn test -Pprofile1**



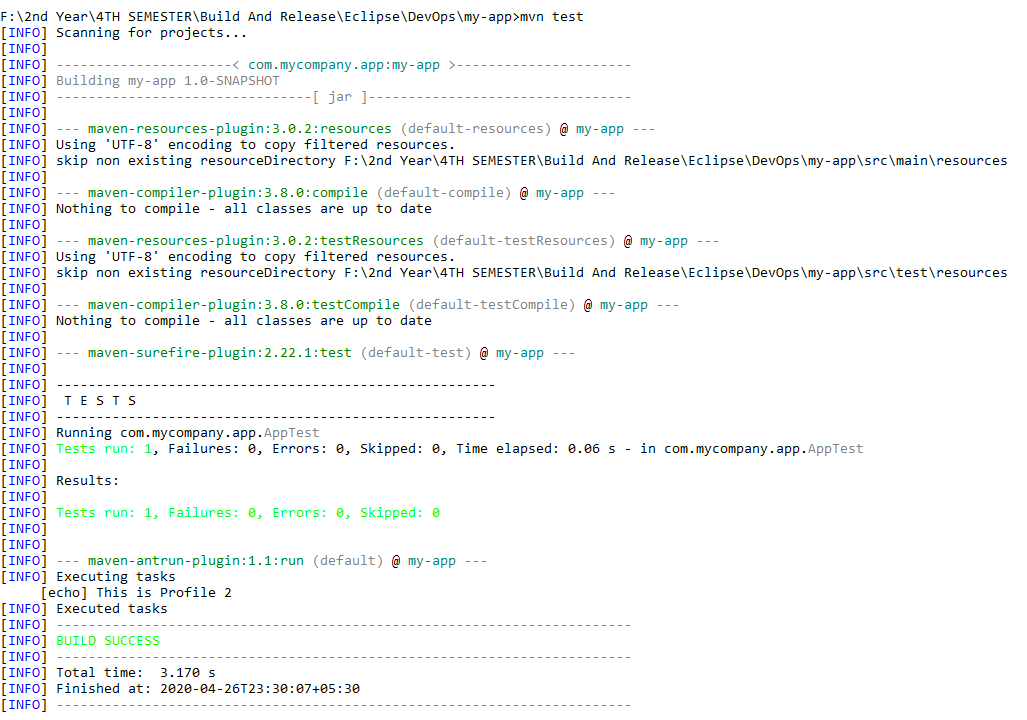
**Command Run : mvn test -Pprofile2**





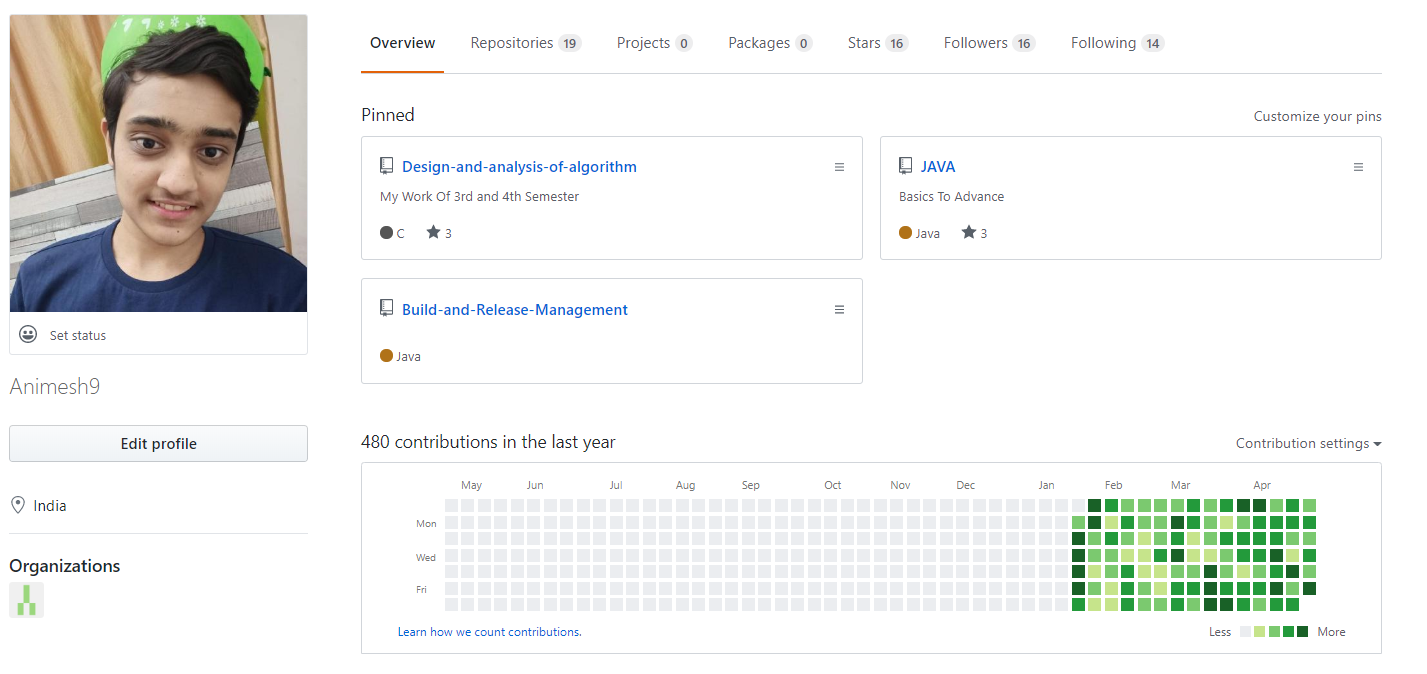






**Experiment 10**

**Aim: Integration using GitHub Create a complete Maven project and push in GitHub repository for Continuous Integration.**



Click [here](https://github.com/Animesh9/Build-and-Release-Management) to check my Github account.

