Build and Management Lab File

Experiment -3

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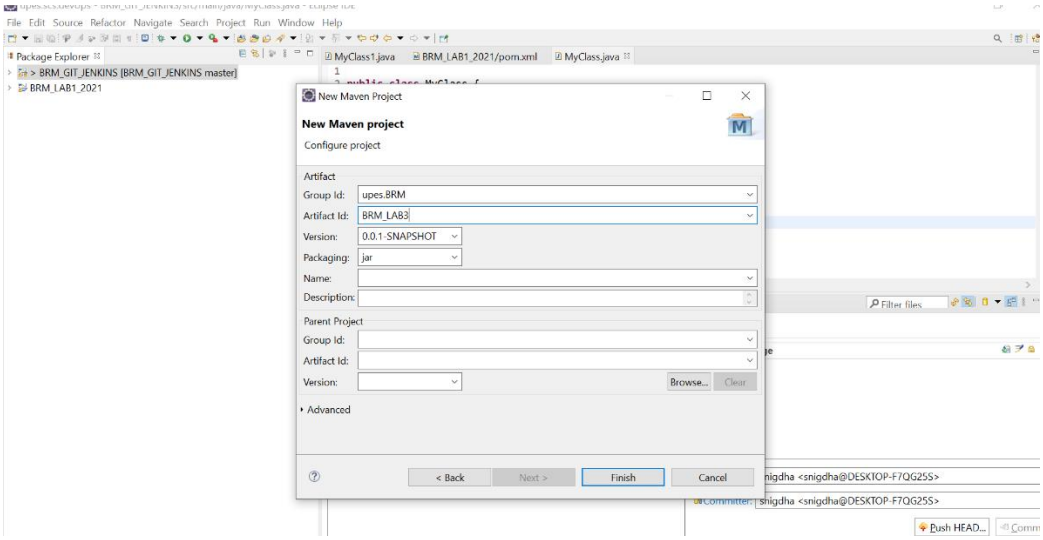
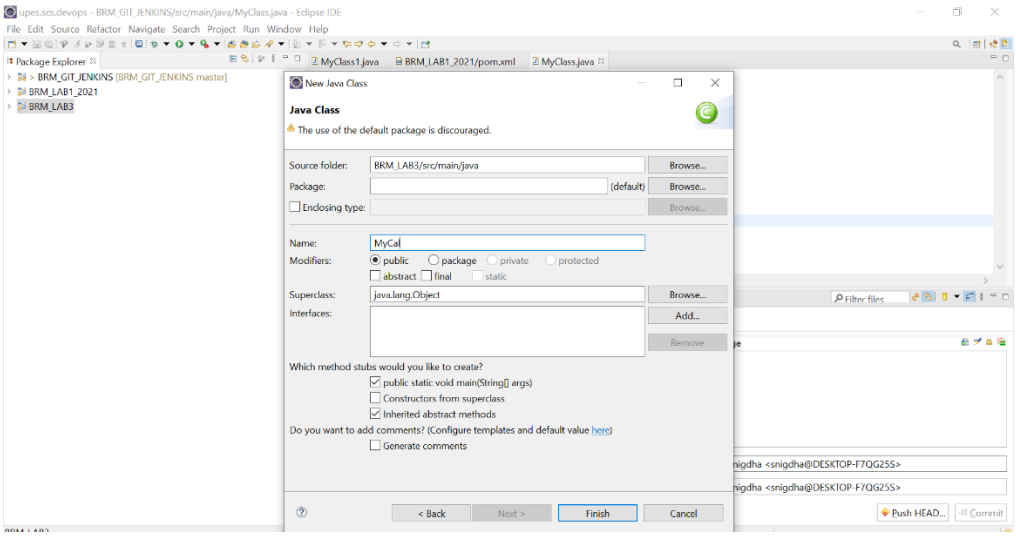
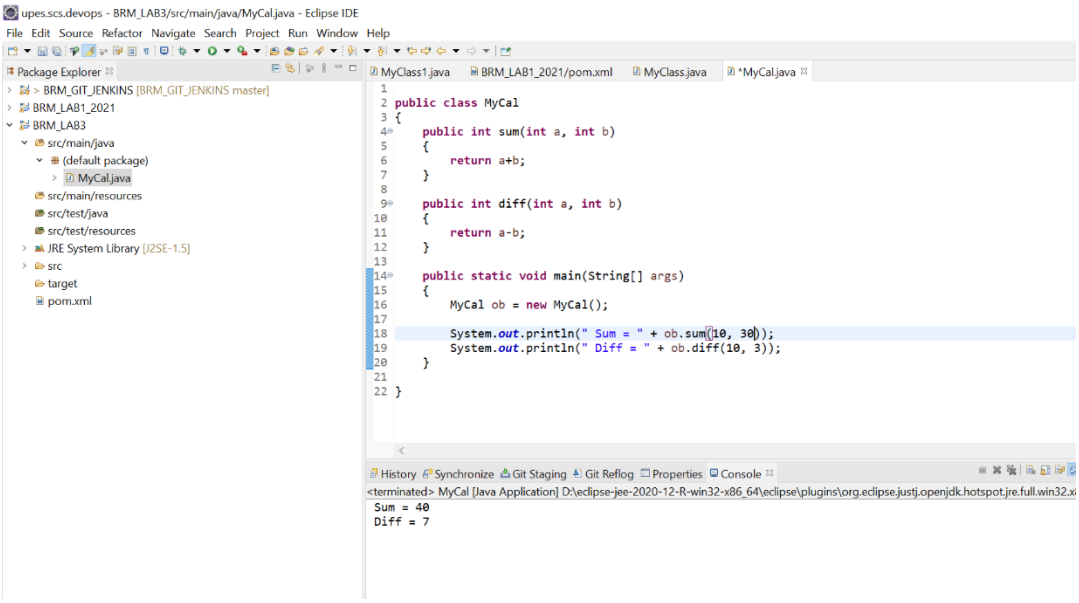
- Creating a Simple Maven Project

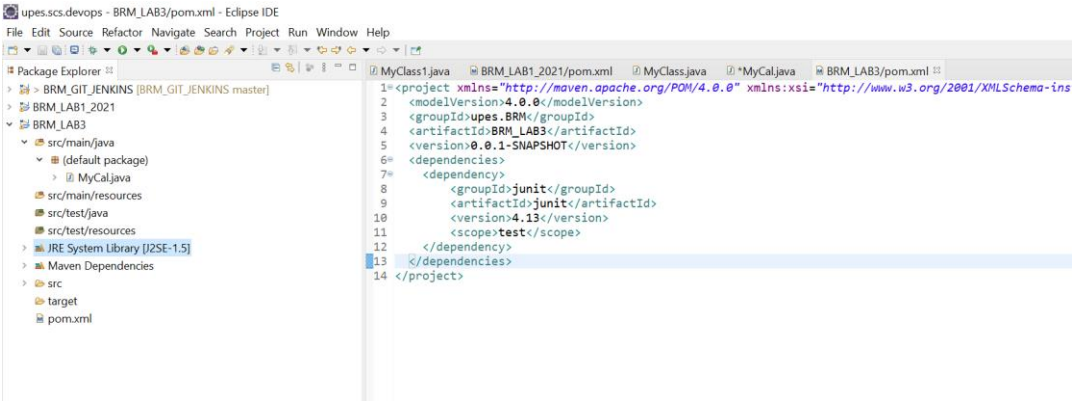


- Creating a class with following code in Maven Project.

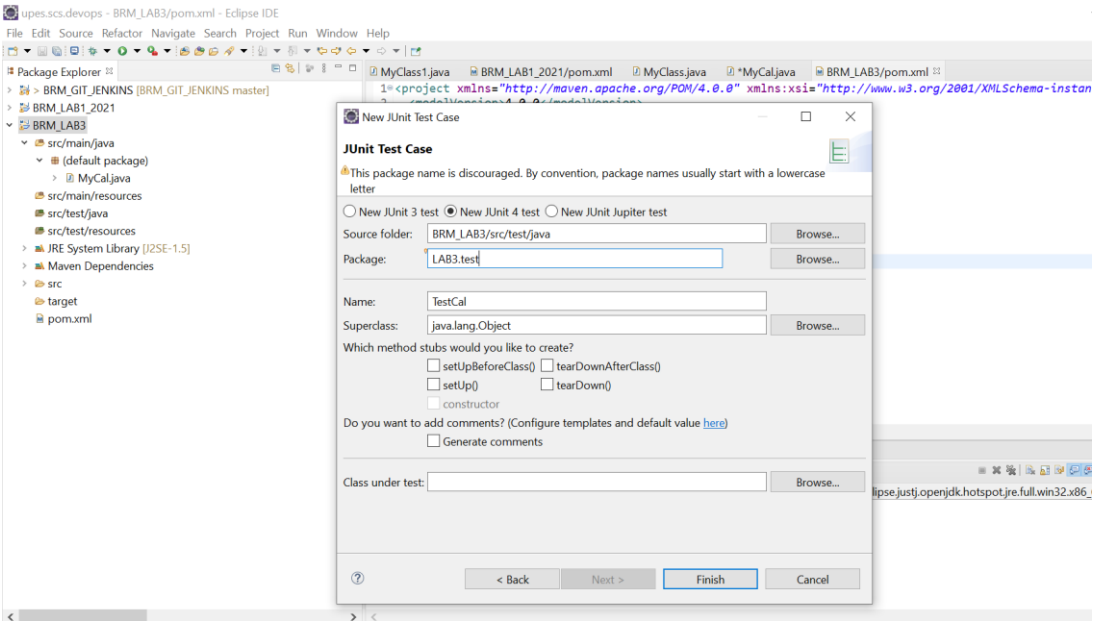


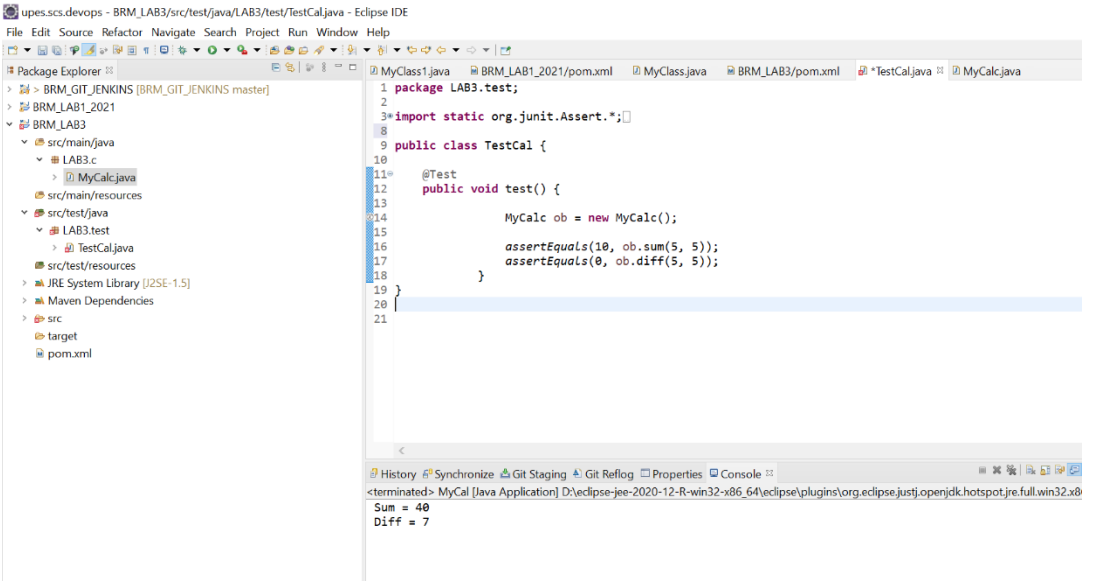


- Adding Maven Dependencies.



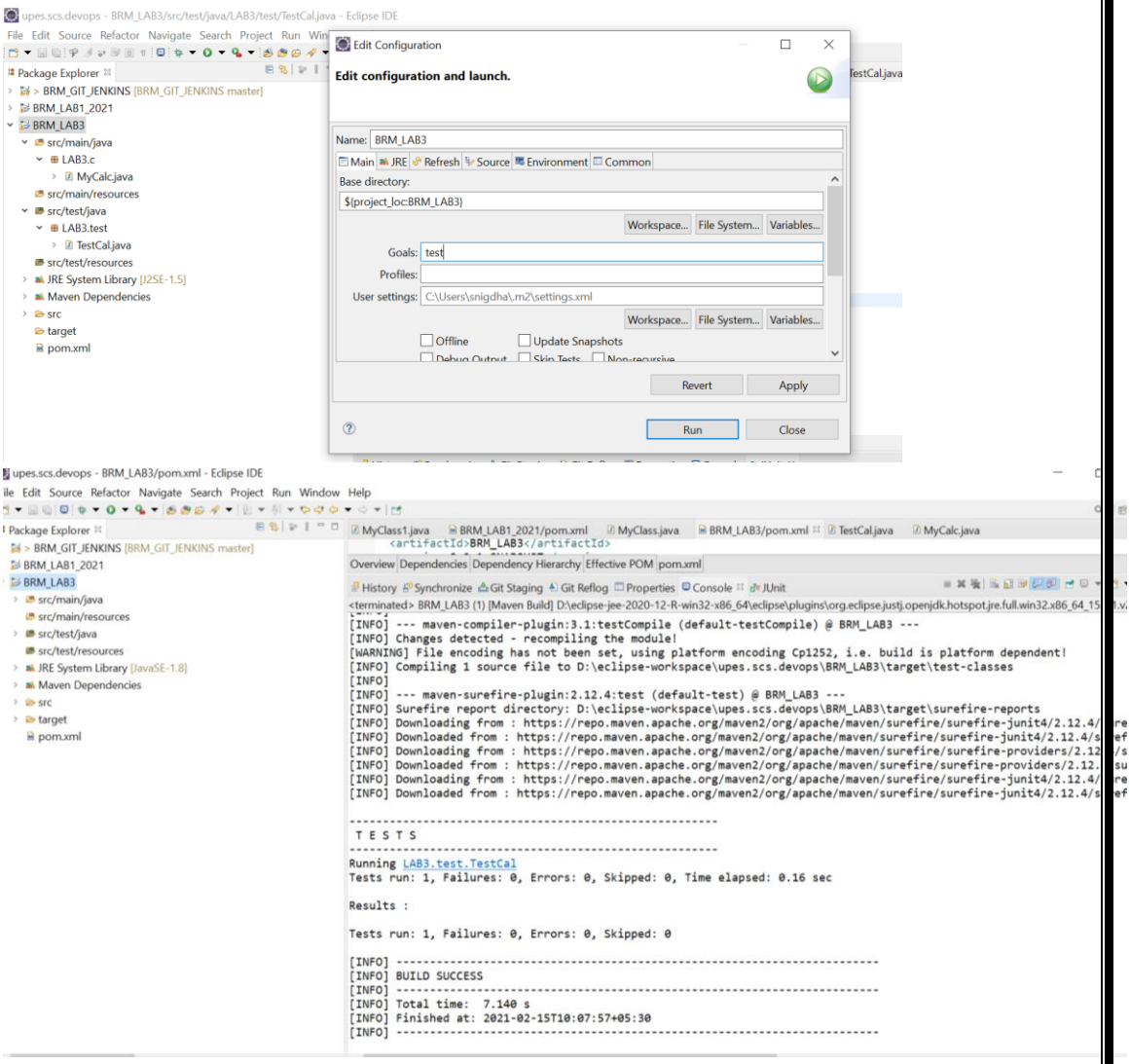
- Creating a JUNIT with above code


upes.scs.devops - BRM_LAB3/pom.xml - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
BRM_GIT_JENKINS [BRM_GIT_JENKINS master]
BRM_LAB1_2021
BRM_LAB3
src/main/java
(default package)
MyCal.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5]
Maven Dependencies
src
target
pom.xml
MyClass1.java
BRM_LAB1_2021/pom.xml
MyClass.java
*MyCal.java
BRM_LAB3/pom.xml
New JUnit Test Case
JUnit Test Case
This package name is discouraged. By convention, package names usually start with a lowercase letter
New JUnit 3 test
New JUnit 4 test
New JUnit Jupiter test
Source folder:
BRM_LAB3/src/test/java
Package:
LAB3.test
Name:
TestCal
Superclass:
java.lang.Object
Which method stubs would you like to create?
setUpBeforeClass()
tearDownAfterClass()
setUp()
tearDown()
constructor
Do you want to add comments? (Configure templates and default value here)
Generate comments
Class under test:
Browse...
< Back
Next >
Finish
Cancel

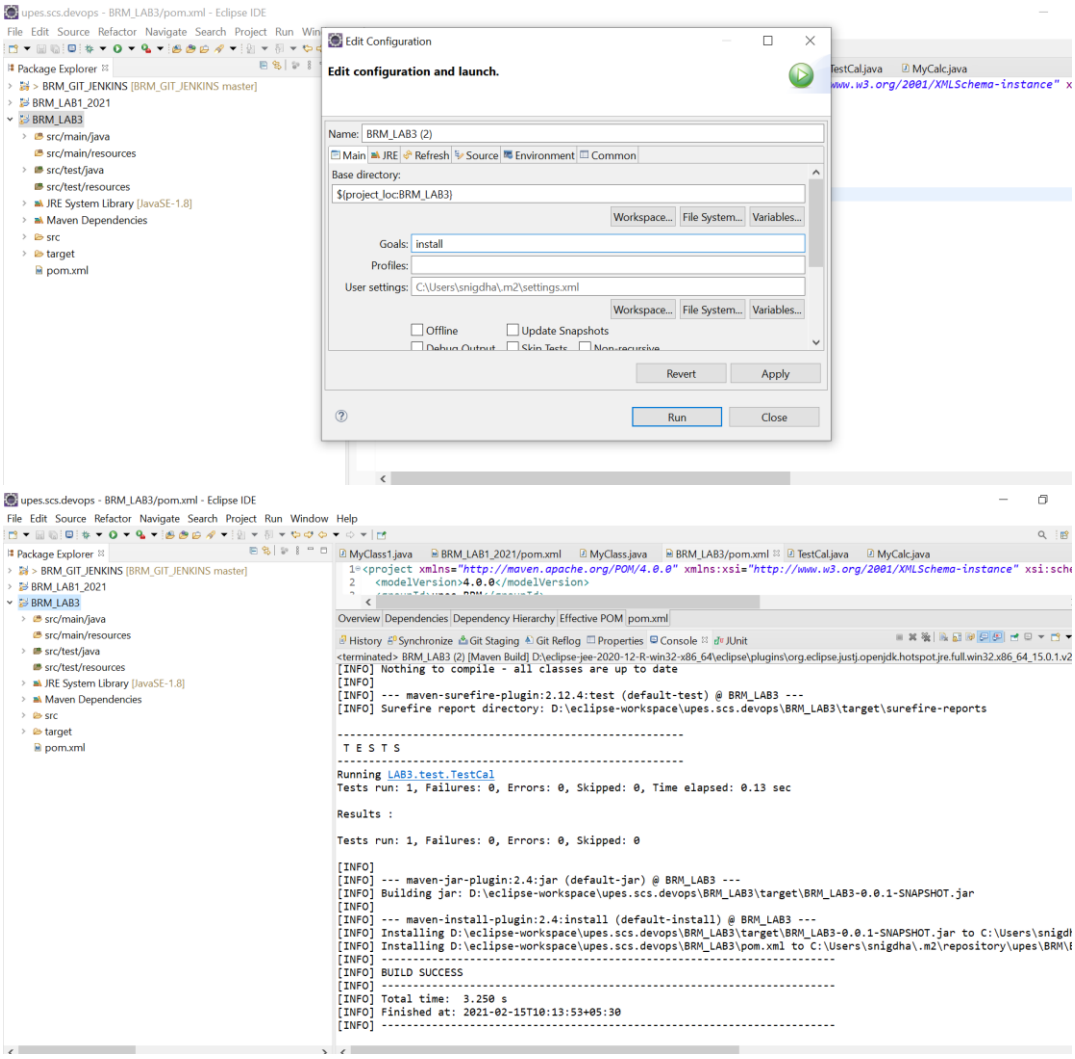

upes.scs.devops - BRM_LAB3/src/test/java/LAB3/test/TestCal.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
BRM_GIT_JENKINS [BRM_GIT_JENKINS master]
BRM_LAB1_2021
BRM_LAB3
src/main/java
LAB3.c
MyCalc.java
src/main/resources
src/test/java
LAB3.test
TestCal.java
src/test/resources
JRE System Library [J2SE-1.5]
Maven Dependencies
src
target
pom.xml
MyClass1.java
BRM_LAB1_2021/pom.xml
MyClass.java
BRM_LAB3/pom.xml
*TestCal.java
MyCalc.java
1 package LAB3.test;
2
3 import static org.junit.Assert.*;
8
9 public class TestCal {
10
11 @Test
12 public void test() {
13
14 MyCalc ob = new MyCalc();
15
16 assertEquals(10, ob.sum(5, 5));
17 assertEquals(0, ob.diff(5, 5));
18 }
19 }
20
21
History
Synchronize
Git Staging
Git Reflog
Properties
Console
<terminated> MyCal [Java Application] D:\eclipse-jee-2020-12-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x8
Sum = 40
Diff = 7

Goals:

- test



- Install


upes.scs.devops - BRM_LAB3/pom.xml - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Win
Package Explorer
> BRM_GIT_JENKINS [BRM_GIT_JENKINS master]
BRM_LAB1_2021
BRM_LAB3
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [JavaSE-1.8]
Maven Dependencies
src
target
pom.xml
Edit Configuration
Edit configuration and launch.
Name: BRM_LAB3 (2)
Main JRE Refresh Source Environment Common
Base directory:
${project_loc:BRM_LAB3}
Workspace... File System... Variables...
Goals: install
Profiles:
User settings: C:\Users\snigdha\.m2\settings.xml
Workspace... File System... Variables...
Offline
Update Snapshots
Revert
Apply
Run
Close
TestCal.java
MyCalc.java
www.w3.org/2001/XMLSchema-instance" x

upes.scs.devops - BRM_LAB3/pom.xml - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
> BRM_GIT_JENKINS [BRM_GIT_JENKINS master]
BRM_LAB1_2021
BRM_LAB3
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [JavaSE-1.8]
Maven Dependencies
src
target
pom.xml
MyClass1.java
BRM_LAB1_2021/pom.xml
MyClass.java
BRM_LAB3/pom.xml
TestCal.java
MyCalc.java
1<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:sche
2 <modelVersion>4.0.0</modelVersion>
Overview Dependencies Dependency Hierarchy Effective POM pom.xml
History Synchronize Git Staging Git Reflog Properties Console JUnit
<terminated> BRM_LAB3 (2) [Maven Build] D:\eclipse-jee-2020-12-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_15.0.1.v2
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ BRM_LAB3 ---
[INFO] Surefire report directory: D:\eclipse-workspace\upes.scs.devops\BRM_LAB3\target\surefire-reports
----
T E S T S

Running LAB3.test.TestCal
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.13 sec
Results :
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ BRM_LAB3 ---
[INFO] Building jar: D:\eclipse-workspace\upes.scs.devops\BRM_LAB3\target\BRM_LAB3-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ BRM_LAB3 ---
[INFO] Installing D:\eclipse-workspace\upes.scs.devops\BRM_LAB3\target\BRM_LAB3-0.0.1-SNAPSHOT.jar to C:\Users\snigdh
[INFO] Installing D:\eclipse-workspace\upes.scs.devops\BRM_LAB3\pom.xml to C:\Users\snigdha\.m2\repository\upes\BRM\
[INFO] --
[INFO] BUILD SUCCESS
[INFO] --
[INFO] Total time: 3.250 s
[INFO] Finished at: 2021-02-15T10:13:53+05:30
[INFO] --