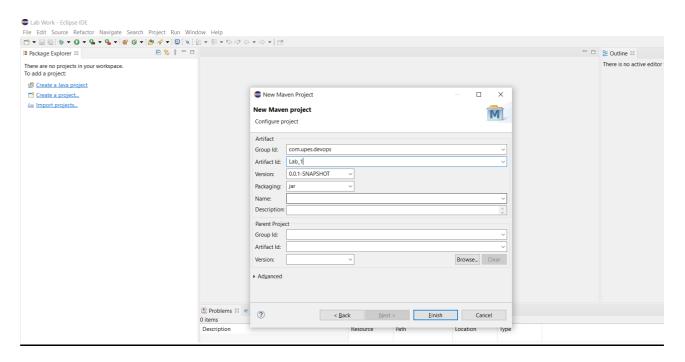
NAME: AYUSH BANSAL

SAP ID: 500075782

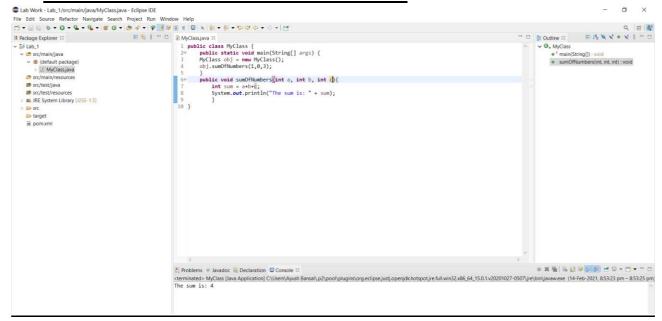
ROLL NO: R171219009

BRANCH: DEVOPS.

CREATING A SIMPLE MAVEN PROJECT



? CREATE A CLASS IN MAVEN PROJECT



RUN THE FOLLOWING GOALS

• CLEAN

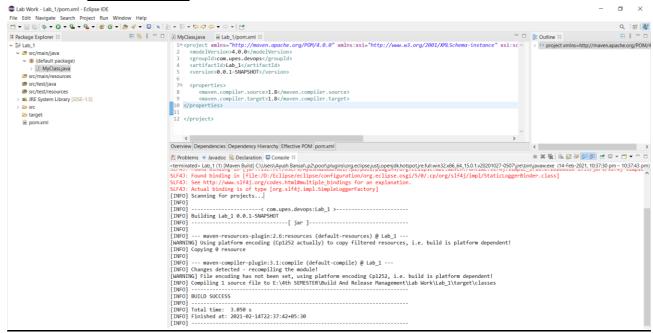
```
Lab Work - Lab_1/src/main/java/MyClass.java - Eclipse IDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        - a ×
File Edit Source Refactor Navigate Search Project Run Window Help
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        □ BE Outline □ □ II N N N O N S □ □

∧ ♥ ♥, MyClass
                                                                                                                                                                                                                                1 public class MyClass [ 2e public static void main(String[] args) {
3    MyClass obj = new MyClass();
4    obj.sumOfNumbers(1,0,3);
  main(String[]) : voi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 • sumOfNumbers(int, int, int) : void
                 # (default package)
                             > 

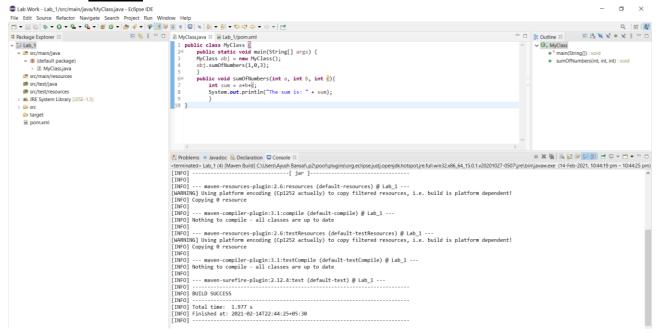
MvClass.iava
                                                                                                                                                                                                                                                         public void sumOfNumbers(int a, int b, int c){
  int sum = a+b+c;
  System.out.println("The sum is: " + sum);
  }
}
                  src/main/resources
                    src/test/iava
                  ■ JRE System Library [J2SE-1.5]
                                                                                                                                                                                                                      Problems # Javadoc & Declaration © Console El communication of the Console El console E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ...-sMAPSHOT [jar]-...

[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ Lab_1 ---
[INFO] Deleting E:/4th SPMESTER/Build And Release Management\Lab Work\Lab_1\target
[INFO]
[INFO] BUILD SUCCESS
[INFO] Total Lime: 0.432 s
[INFO] Total Lime: 0.432 s
[INFO] Total Lime: 0.432 s
```

• COMPILE



• TEST



• BUILD

```
Lab Work - Lab 1/pom.xml - Eclipse IDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         File Edit Source Refactor Navigate Search Project Run Window Help
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q | | | | | | | | |
  ⇔ project xmlns=http://maven.apache.org/POM/4
  | sproperties | 8 | (maven.compiler.source>1.8c/maven.compiler.source>0 | (maven.compiler.target>1.8c/maven.compiler.target>1.10 | (properties) | (propertie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              o modelVersion 4.0.0
groupld com.upes.devops
artifactId Lab_1
                            MyClass.java
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   version 0.0.1-SNAPSHOT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        > properties
                  src/test/iava

▲ JRE System Library [J2SE-1.5]
                                                                                                                                                                                                                    Overview Dependencies Dependency Hierarchy Effective POM pom.xml
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Problems @ Javadoc @ Declaration Console 23
                                                                                                                                                                                                                    [IMF0] --- maven-resources-plugin:2.6:resources (default-resources) @ Lab_1 ---
[IMF0] Opying 0 resource
[IMF0] Copying 0 resource
[IMF0] --- maven-compiler-plugin:3.1:compile (dafa).
                                                                                                                                                                                                                     [INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ Lab_1 ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plusies.
                                                                                                                                                                                                                     [INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ Lab_1 --- [MARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent! [INFO] Copying 0 resource [INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ Lab_1 --- [INFO] --- [
                                                                                                                                                                                                                        [INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ Lab_1 ---
                                                                                                                                                                                                                        [NHO]
[HFO] --- maven-jar-plugin:2.4:jar (default-jar) @ Lab_1 ---
[NHO] Building jar: E:\4th SEMESTER\Build And Release Management\Lab Work\Lab_1\target\Lab_1-0.0.1-SNAPSHOT.jar
```

USING THE JAR FILE IN ANOTHER JAVA PROJECT

There will be jar file created in target folder. To link two different projects, we need to add jar file of Lab_1 project in LAB1 project. To add jar file, follow these steps

- 1. Right click on LAB1 then go to 'Build Path' and select 'Configure build path' option.
- 2. Then go to 'Libraries' bar and select 'Add external JARs'
- 3. Give location of jar file snapshot that was created in target folder.

