

Build and Management Lab File

Experiment -1

Name: Snigdha Markanday

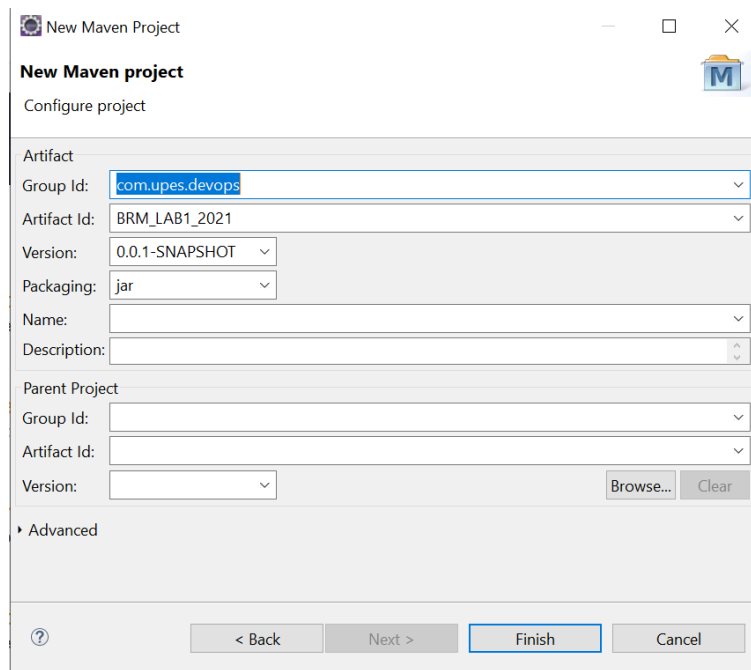
Branch : B-Tech-CSE-DevOps

SAP-ID: 500077256

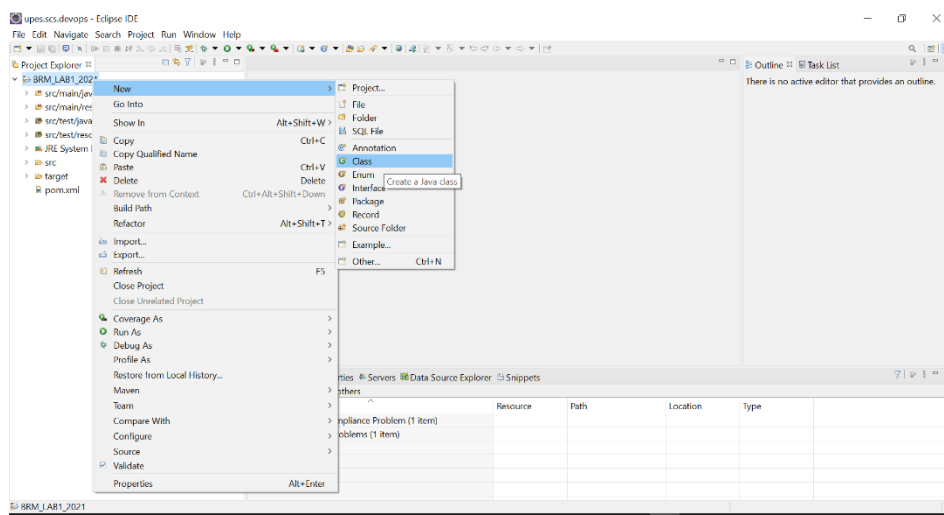
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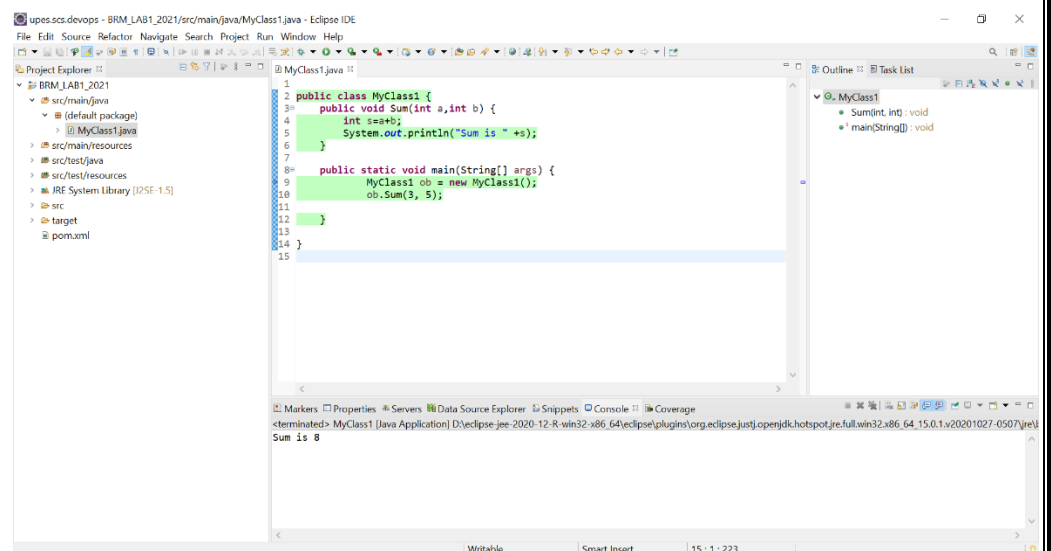
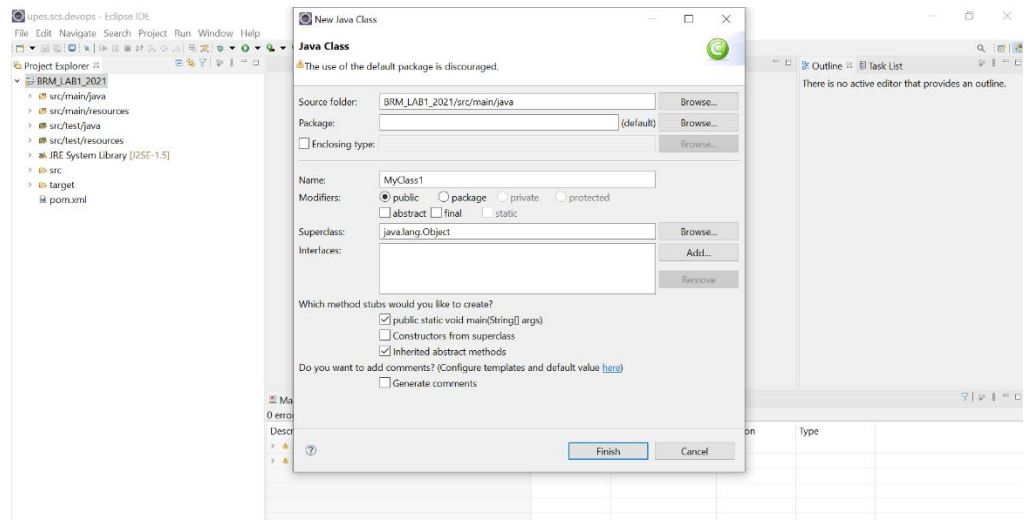
1. Create a Java file Using Maven .

- Creating a Simple Maven Project



- Creating a Class with the Following code in Maven Project.





2. Run the following maven goals on this project .

- Clean

The screenshot shows the Eclipse IDE interface. The Project Explorer on the left displays the project structure for BRM_LAB1_2021, including src/main/java, src/main/resources, src/test/java, src/test/resources, JRE System Library [javaSE-1.8], src, target, and pom.xml. The main editor shows the MyClass1.java file with the following code:

```
1 public class MyClass1 {
2     public void Sum(int a,int b) {
3         int s=a+b;
4         System.out.println("Sum is " +s);
5     }
6 }
7
8 public static void main(String[] args) {
9     MyClass1 ob = new MyClass1();
10    ob.Sum(3, 5);
11 }
12 }
```

The Console window at the bottom shows the output of the Maven clean build:

```
<terminated> BRM_LAB1_2021 (5) [Maven Build] D:\eclipse-jee-2020-12-R-win32-x86_64\ eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.15.0.1.v20201027-050
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/D:/eclipse-jee-2020-12-R-win32-x86_64/eclipse/plugins/org.eclipse.m2e.maven.runtime.slf4j.sim
SLF4J: Found binding in [file:/D:/eclipse-jee-2020-12-R-win32-x86_64/eclipse/configuration/org.eclipse.osgi/5/0/.cp/org.slf4j/im
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.SimpleLoggerFactory]
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.upes.devops:BRM_LAB1_2021 >-----
[INFO] Building BRM_LAB1_2021 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ BRM_LAB1_2021 ---
[INFO] Deleting D:\eclipse-workspace\upes.scs.devops\BRM_LAB1_2021\target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 0.396 s
[INFO] Finished at: 2021-02-15T04:18:39+05:30
[INFO] -----
```

- Compile

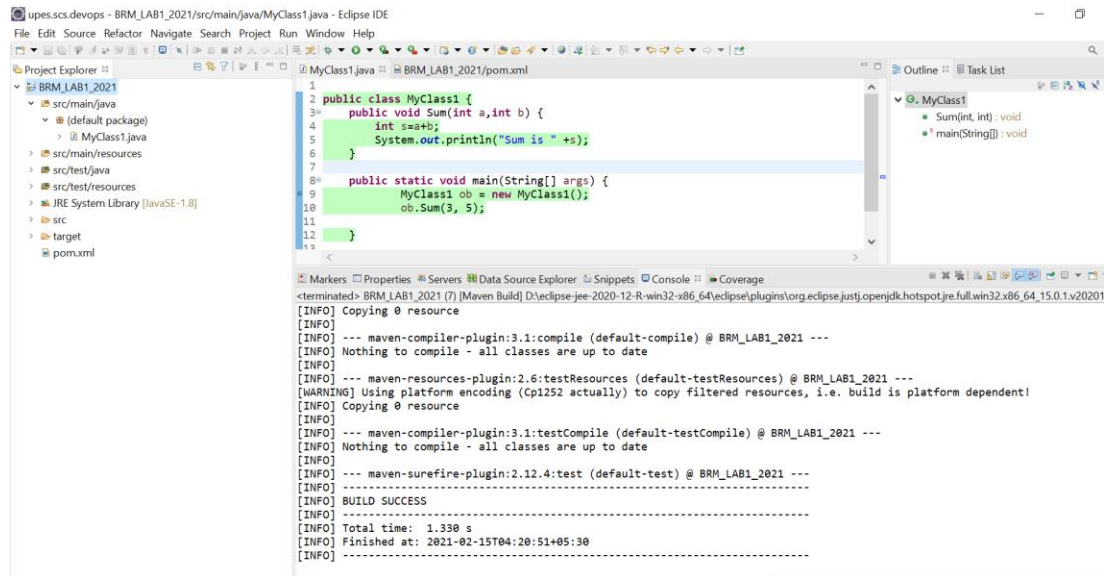
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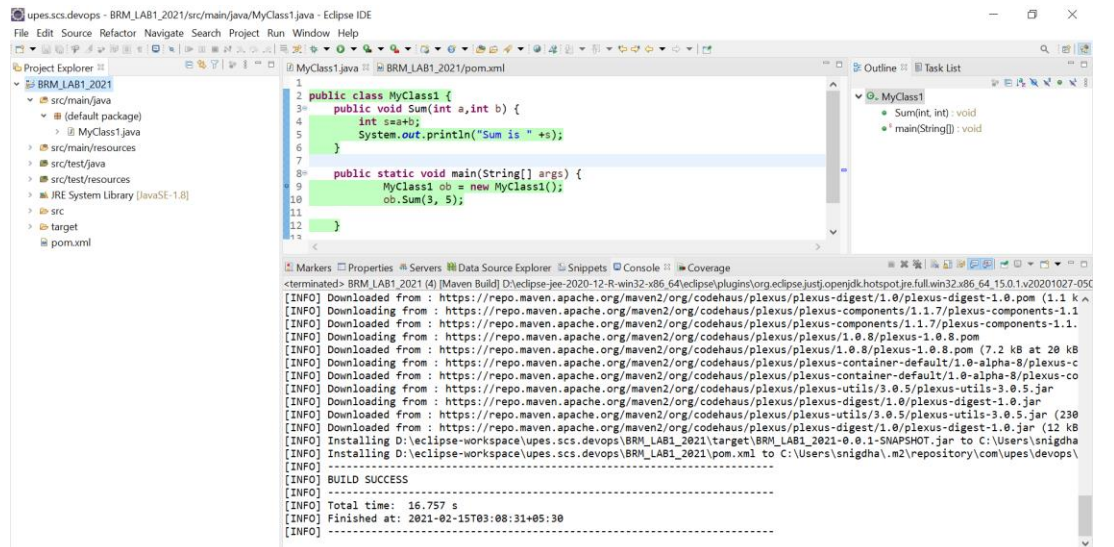
The Console window at the bottom shows the output of the Maven compile build:

```
<terminated> BRM_LAB1_2021 (6) [Maven Build] D:\eclipse-jee-2020-12-R-win32-x86_64\ eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.15.0.1.v20201027-050
[INFO] -----< com.upes.devops:BRM_LAB1_2021 >-----
[INFO] Building BRM_LAB1_2021 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ BRM_LAB1_2021 ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ BRM_LAB1_2021 ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to D:\eclipse-workspace\upes.scs.devops\BRM_LAB1_2021\target\classes
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.712 s
[INFO] Finished at: 2021-02-15T04:19:47+05:30
[INFO] -----
```

- Test-Compile



• Install



3. Using the jar file in another java file

