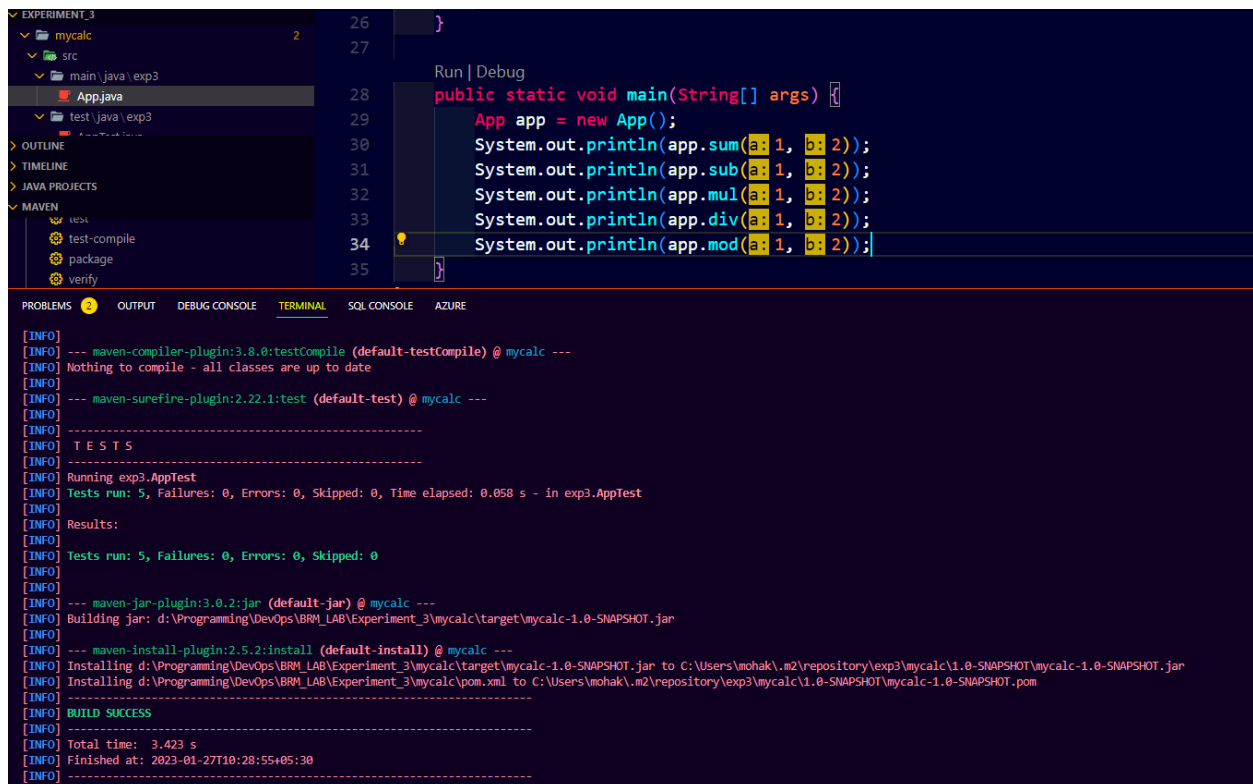


Build and Release Management LAB

Experiment 3


Aim: Maven Build and usage in other Java Projects

1. Create a Build of java project using maven.
2. Use that build in some other Java Project.



```
26 }
27
28 Run | Debug
29 public static void main(String[] args) {
30     App app = new App();
31     System.out.println(app.sum(a: 1, b: 2));
32     System.out.println(app.sub(a: 1, b: 2));
33     System.out.println(app.mul(a: 1, b: 2));
34     System.out.println(app.div(a: 1, b: 2));
35     System.out.println(app.mod(a: 1, b: 2));
36 }
```

```
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:testCompile (default-testCompile) @ mycalc ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.22.1:test (default-test) @ mycalc ---
[INFO]
[INFO] T E S T S
[INFO]
[INFO] Running exp3.AppTest
[INFO] Tests run: 5, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.058 s - in exp3.AppTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 5, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] --- maven-jar-plugin:3.0.2:jar (default-jar) @ mycalc ---
[INFO] Building jar: d:\Programming\DevOps\BRM_LAB\Experiment_3\mycalc\target\mycalc-1.0-SNAPSHOT.jar
[INFO]
[INFO] --- maven-install-plugin:2.5.2:install (default-install) @ mycalc ---
[INFO] Installing d:\Programming\DevOps\BRM_LAB\Experiment_3\mycalc\target\mycalc-1.0-SNAPSHOT.jar to C:\Users\mohak\.m2\repository\exp3\mycalc\1.0-SNAPSHOT\mycalc-1.0-SNAPSHOT.jar
[INFO] Installing d:\Programming\DevOps\BRM_LAB\Experiment_3\mycalc\pom.xml to C:\Users\mohak\.m2\repository\exp3\mycalc\1.0-SNAPSHOT\mycalc-1.0-SNAPSHOT.pom
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 3.423 s
[INFO] Finished at: 2023-01-27T10:28:55+05:30
[INFO]
```

 mycalc-1.0-SNAPSHOT.jar	1/27/2023 10:28 AM	Executable Jar File	3 KB
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The image shows a Visual Studio Code editor window with a Java file named `calcTest.java` open. The file is located in a project named `TEST_PROJ`, which also contains a `.vscode` folder and a `calc` folder. The `calcTest.java` file is currently selected in the `calc` folder. The code in the file is as follows:

```
1 package calc;
2
3 import exp3.App;
4
5 public class calcTest {
6     public static void main(String[] args) {
7         App app = new App();
8         System.out.println(app.sum(1, 2));
9         System.out.println(app.sub(1, 2));
10        System.out.println(app.mul(1, 2));
11        System.out.println(app.div(1, 2));
12        System.out.println(app.mod(1, 2));
13    }
14 }
```

The terminal output shows the command used to run the program and the resulting output:

```
D:\Programming\DevOps\BRM_LAB\Experiment_3\test_proj> cmd /C ""C:\Program Files\Java\jdk-19\bin\java.exe" @C:\Users\mohak\AppData\Local\Temp\cp_edwa12bpmhhd7c5bybp5wcud3.argfile calc.calcTest "
```

The output of the program is:

```
3
-1
2
0
1
```

The terminal also shows the current directory:

```
D:\Programming\DevOps\BRM_LAB\Experiment_3\test_proj>
```