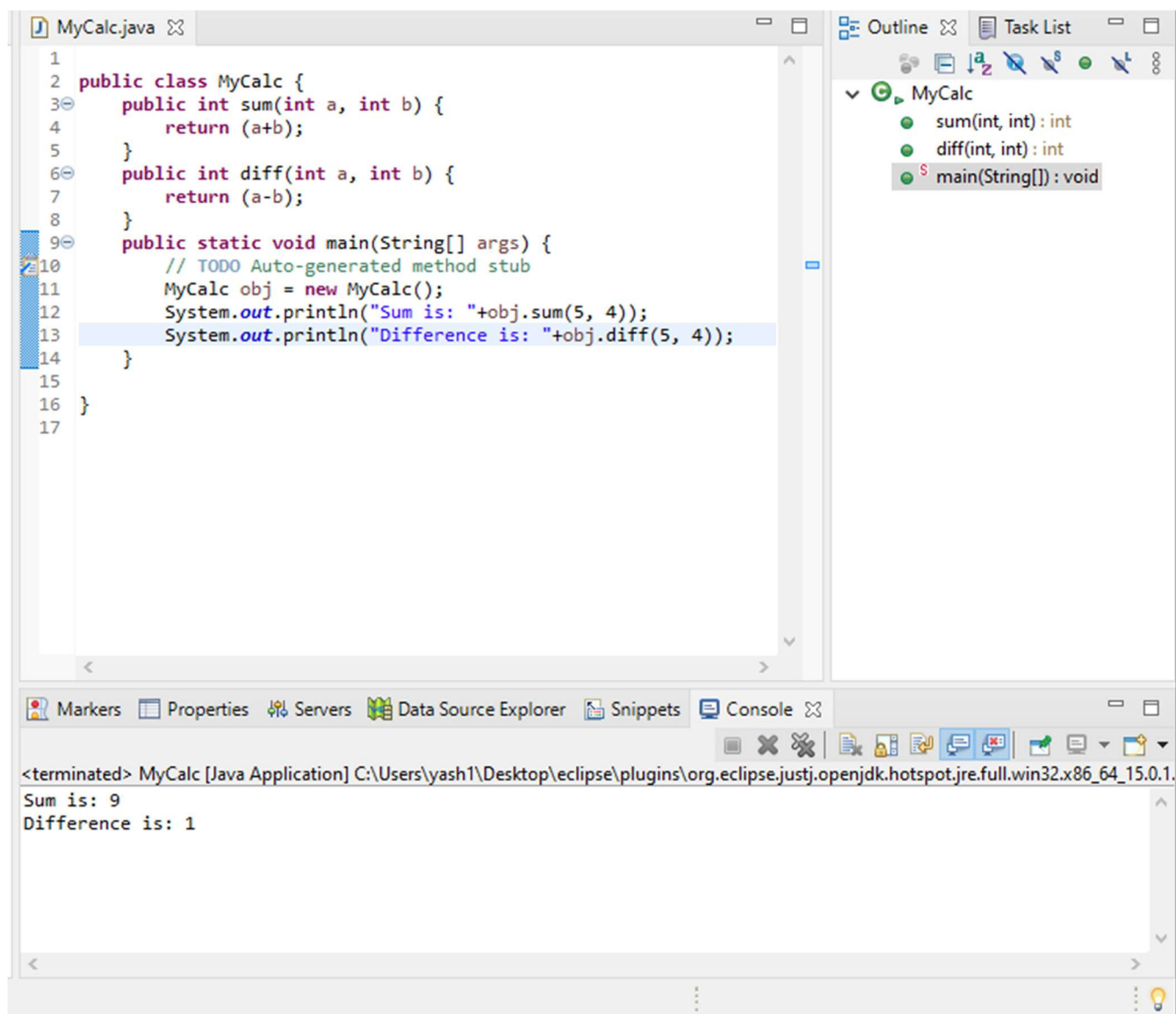


BUILD AND RELEASE MANAGEMENT LAB FILE

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DEVOPS 2ND YEAR
4th SEMESTER**

- Create a java file



- Create a Junit test class file

The screenshot shows an IDE with two tabs: `MyCalc.java` and `TestMyCalc.java`. The `TestMyCalc.java` file contains the following code:

```
1 import static org.junit.Assert.*;
4
5 public class TestMyCalc {
6
7     @Test
8     public void test() {
9         //fail("Not yet implemented");
10
11         MyCalc obj = new MyCalc();
12         assertEquals(11,obj.sum(5, 6));
13         assertEquals(10,obj.diff(15, 5));
14     }
15 }
16 }
17
```

The right sidebar shows the Outline view with the following structure:

- TestMyCalc
 - test() : void

The bottom of the IDE shows the JUnit console output:

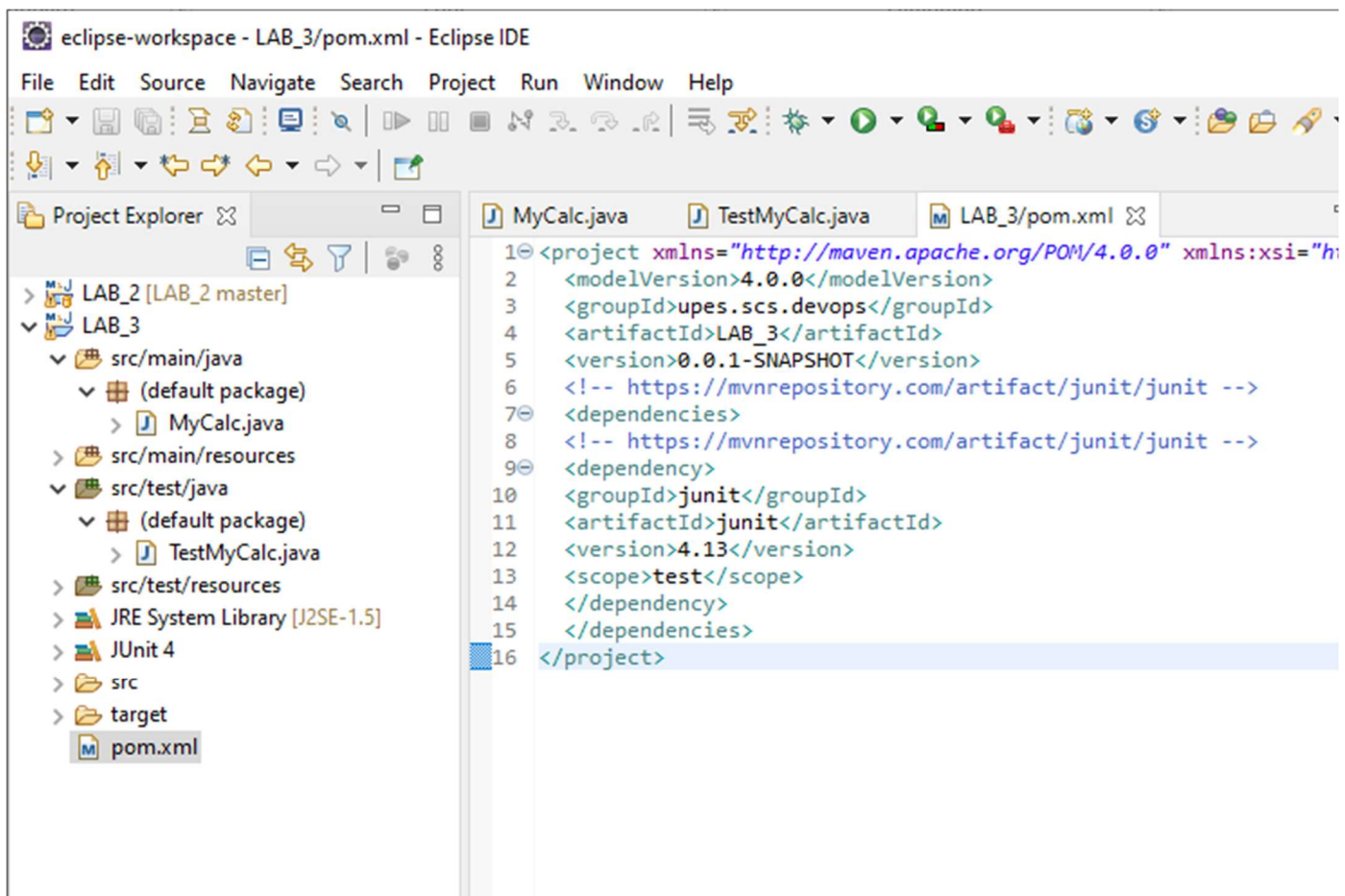
Finished after 0.017 seconds

Runs: 1/1 Errors: 0 Failures: 0


> TestMyCalc [Runner: JUnit 4] (0.000 s)


Failure Trace

- Edit the pom.xml file









- Run the test goal

 Edit Configuration

Edit configuration and launch. 

Name: LAB_3

 Main
  JRE
  Refresh
  Source
  Environment
  Common

Base directory:

Workspace... File System... Variables...


Goals:

Profiles:

User settings:


Workspace... File System... Variables...

☐ Offline
 ☐ Update Snapshots
☐ Debug Output
 ☐ Skip Tests
 ☐ Non-recursive
☐ Resolve Workspace artifacts


1  Threads

Parameter Name	Value

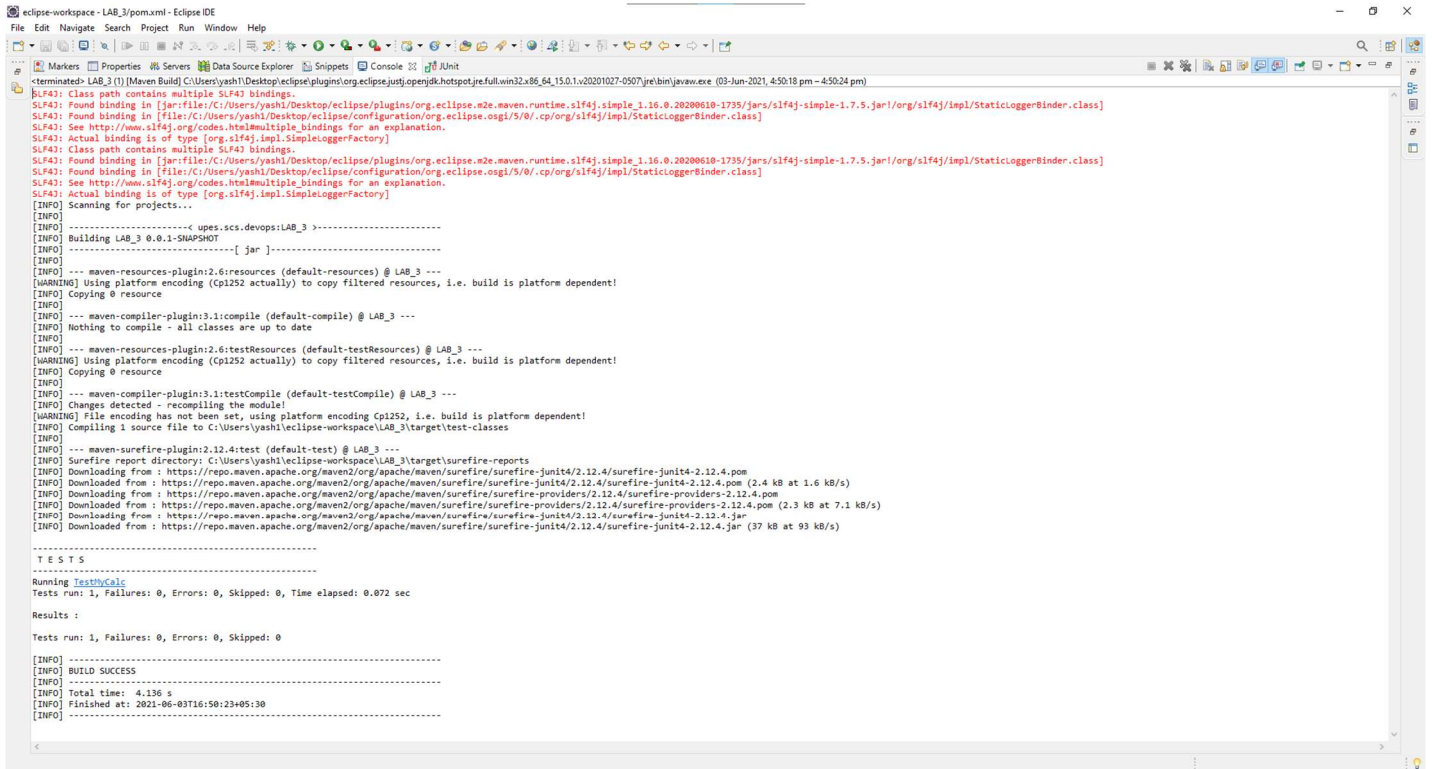
Add...
 Edit...
 Remove

Maven Runtime:  Configure...

Revert
Apply


Run
Close

- You will see that the build has passed along with all the tests.



```
eclipse-workspace - LAB_3/pom.xml - Eclipse IDE
File Edit Navigate Search Project Run Window Help

<terminated> LAB_3 (1) [Maven Build] C:\Users\yash\Desktop\workspace\LAB_3\pom.xml (03-Jun-2021, 4:50:18 pm - 4:50:24 pm)

[INFO] Scanning for projects...
[INFO] Building LAB_3 0.0.1-SNAPSHOT
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ LAB_3 ---
[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) @ LAB_3 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ LAB_3 ---
[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:testCompile (default-testCompile) @ LAB_3 ---
[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 C:\Users\yash\workspace\LAB_3\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ LAB_3 ---
[INFO] Surefire report directory: C:\Users\yash\workspace\LAB_3\target\surefire-reports
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-junit4/2.12.4/surefire-junit4-2.12.4.pom (2.4 kB at 1.6 kB/s)
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-junit4/2.12.4/surefire-junit4-2.12.4.pom (2.4 kB at 1.6 kB/s)
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-providers/2.12.4/surefire-providers-2.12.4.pom (2.3 kB at 7.1 kB/s)
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-providers/2.12.4/surefire-providers-2.12.4.pom (2.3 kB at 7.1 kB/s)
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-junit4/2.12.4/surefire-junit4-2.12.4.jar (37 kB at 93 kB/s)
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-junit4/2.12.4/surefire-junit4-2.12.4.jar (37 kB at 93 kB/s)

T E S T S
-----
Running TestMyCalc
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.072 sec

Results :

Tests run: 1, Failures: 0, Errors: 0, Skipped: 0

[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 4.136 s
[INFO] Finished at: 2021-06-03T16:50:23+05:30
[INFO]
```