Experiment - 03

Create a new Maven Project with a Java Class

Run the goals and build the maven project.

```
10 import static org.junit.Assert.*;
   public class TestMyCalc {
  7•
         @Test
         public void test() {
             //fail("Not yet implemented");
MyCalc test = new MyCalc();
assertEquals(5,test.sum(2,3));
assertEquals(3,test.diff(8, 5));
10
11
12
13
         }
14
16 }
17
🦹 Problems 🛮 🛭 Javadoc 📴 Declaration 📃 Console 🔀 📩 Git Staging
<terminated> BRM_Lab3 (6) [Maven Build] /Library/Java/JavaVirtualMachines/jdk-13.0.2.jdk/Contents/Home/bin/java (14-Feb-2021, 10:06:38 pm - 10:06:41 pm)
[INFO] Scanning for projects...
[INFO]
                          [INFO]
[INFO] Building BRM_Lab3 0.0.1-SNAPSHOT
                       ______[ jar ]---
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ BRM_Lab3 ---
[INFO] Deleting /Users/sarthak/eclipse-workspace/BRM_Lab3/target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 0.222 s
[INFO] Finished at: 2021-02-14T22:06:41+05:30
[INFO]
```

 We then change the pom.xml to include the JUnit testing dependancy.

```
1●<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2
    <modelVersion>4.0.0</modelVersion>
    <groupId>upes.ddn
    <artifactId>BRM Lab3</artifactId>
    <version>0.0.1-SNAPSHOT
 7●
    properties>
       <maven.compiler.source>1.8</maven.compiler.source>
       <maven.compiler.target>1.8</maven.compiler.target>
  </properties>
11
    <dependencies>
12•
13° < dependency >
      <groupId>junit
14
15
      <artifactId>junit</artifactId>
      <version>4.12
17
      <scope>test</scope>
18 </dependency>
  </dependencies>
21 </project>
```

· We create a JUnit test class and run goals

```
TestMyCalc

Runs: 1/1  Perors: 0  Pallures: 0

TestMyCalc [Runner: JUnit 4] (0.003 s)

TestMyCalc [Runner: Junit 4] (0.003 s)
```

 After the test is successful we run Maven goals on the JUnit TestClass.