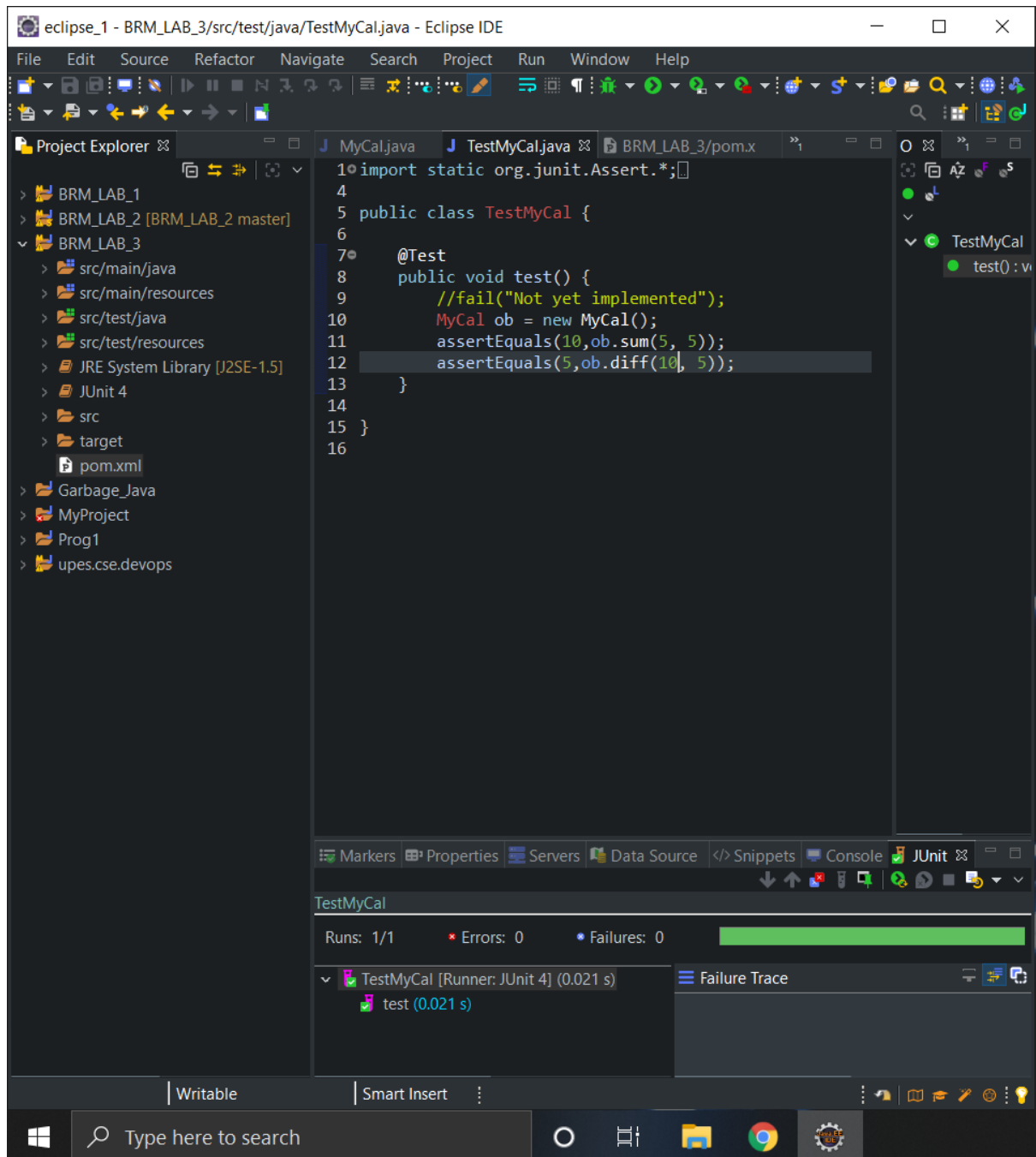


EXPERIMENT-3

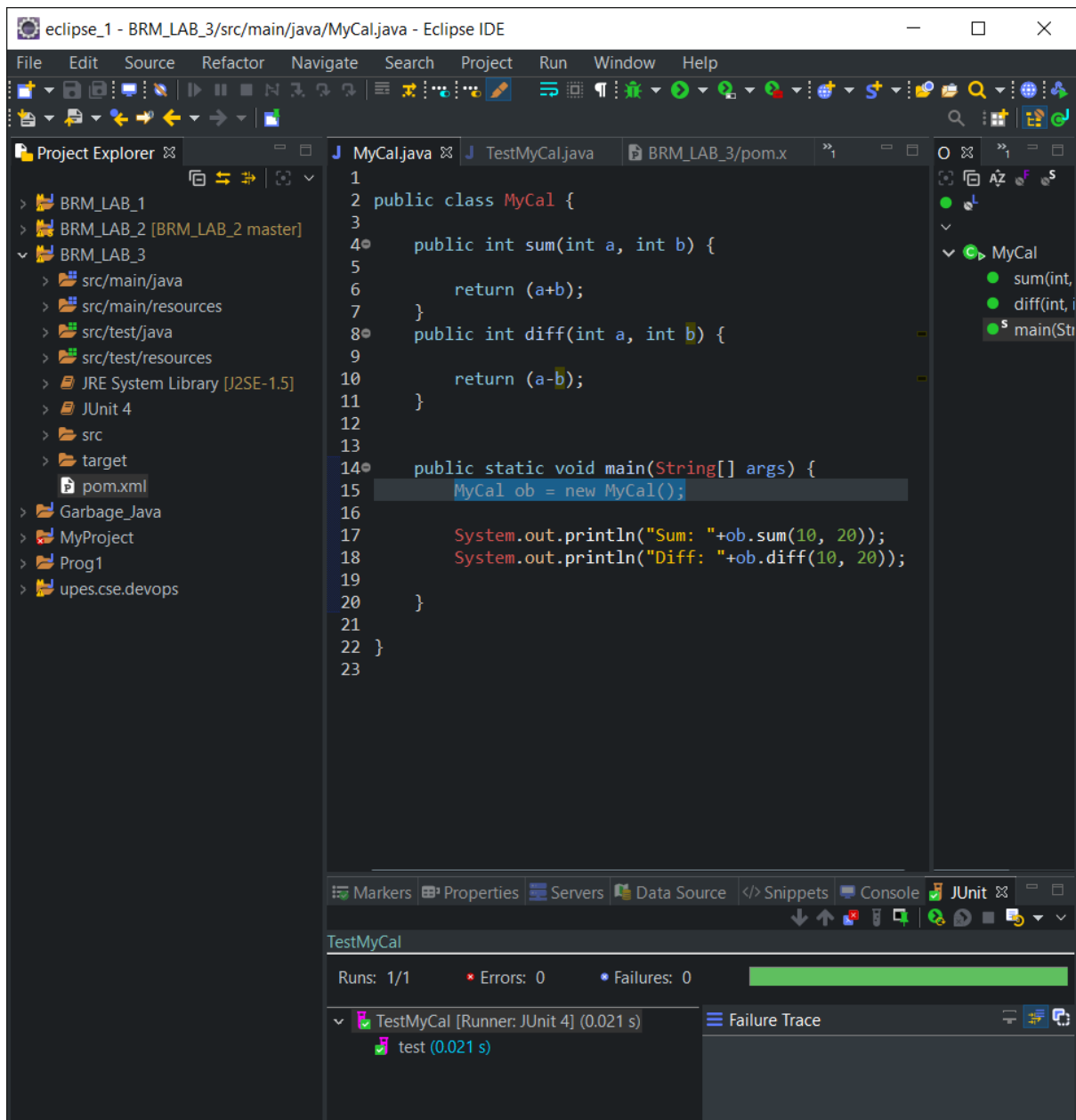
BRM_LAB_3

>>Making Junit test case file for Java Prog. Basically, unit test file

>>Run the prog. Bottom right corner shows that no error recorded test passed, if failed it will show at that bar.

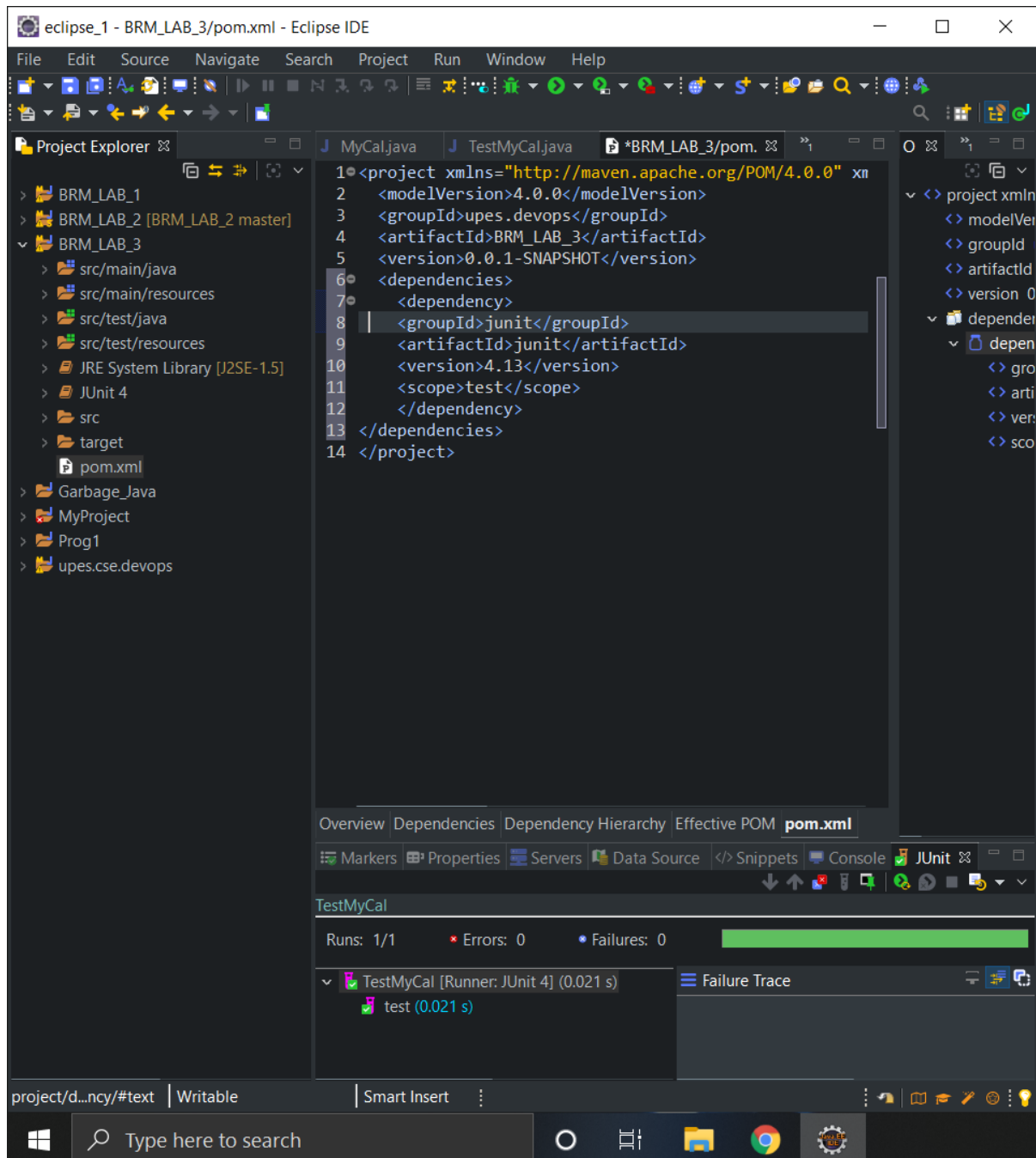


>>Creating a Java prog, for unit test, on Junit



>>Adding latest dependency from web, on pom.xml file for the unit test case. Started from 6 line to 13 line (which will later add a maven dependencies tab on side bar)

>>This added dependency help to build the maven project, basically the test phase.



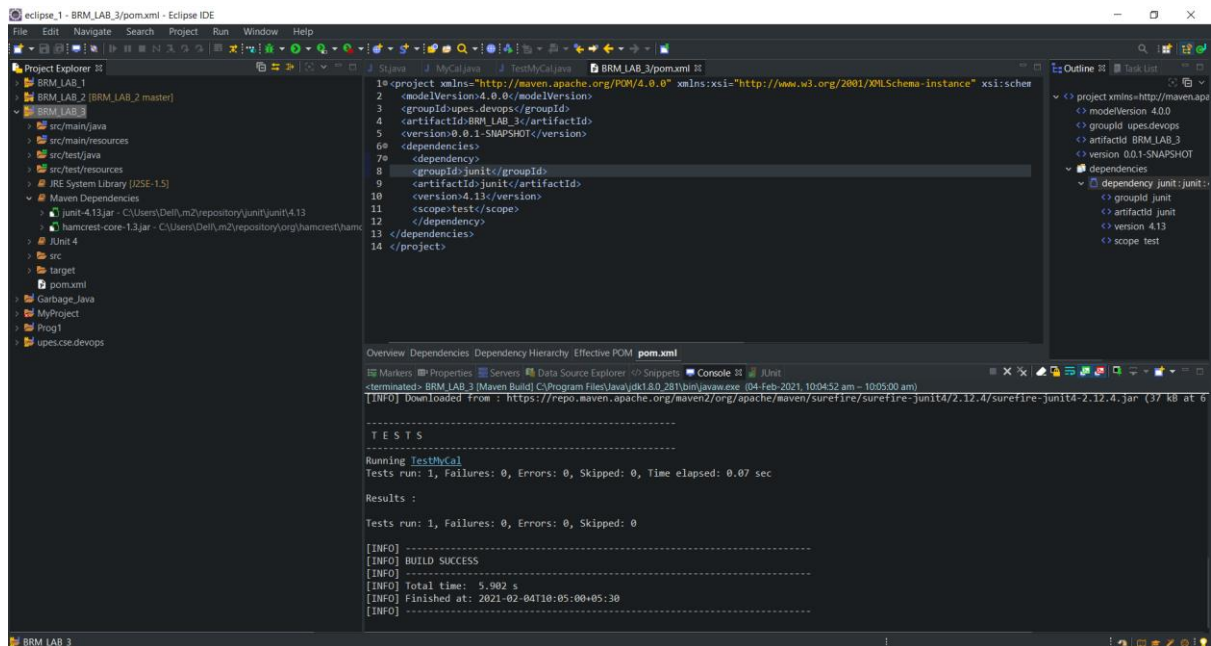
>>shows maven dependencies added

The screenshot displays the Eclipse IDE interface with the following components:

- Project Explorer:** Shows a project structure with folders like `ERM_LAB_1`, `ERM_LAB_2 [BRM_LAB_2 master]`, and `ERM_LAB_3`. Under `ERM_LAB_3`, there are subfolders for `src/main/java`, `src/main/resources`, `src/test/java`, and `src/test/resources`. A `JRE System Library [J2SE-1.5]` is also listed. The `Maven Dependencies` section shows `junit-4.13.jar` and `hamcrest-core-1.3.jar`. Other folders include `JUnit 4`, `src`, `target`, and `pom.xml`.
- Editor:** Displays the `BRM_LAB_3/pom.xml` file. The XML content is as follows:

```
<?xml version="1.0" encoding="UTF-8" ?>
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>upes.devops</groupId>
  <artifactId>BRM_LAB_3</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>4.13</version>
      <scope>test</scope>
    </dependency>
  </dependencies>
</project>
```
- Console:** Shows the output of the `TestMyCal` test. It indicates `Runs: 1/1`, `Errors: 0`, and `Failures: 0`. The test `test (0.021 s)` passed successfully.
- Bottom Bar:** Includes a search bar and a taskbar with icons for Windows, search, and various applications.

>>Run the project, set goal “test”.



IMP*

Always add package and then add class to It, this help in utilizing this particular class in other packages.