

## Exercise 1: Setting Up Junit

### Code:

#### pom.xml:

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

  <modelVersion>4.0.0</modelVersion>

  <groupId>com.example</groupId>

  <artifactId>junit-demo</artifactId>

  <version>0.0.1-SNAPSHOT</version>

  <dependencies>

    <dependency>

      <groupId>junit</groupId>

      <artifactId>junit</artifactId>

      <version>4.13.2</version>

      <scope>test</scope>

    </dependency>

  </dependencies>

</project>
```

#### Calculator.java:

```
package com.example;
```

```
public class Calculator {

    public int add(int a, int b) {

        return a + b;

    }

}
```

#### CalculatorTest.java:

```
package com.example;
```

```
import org.junit.Test;
```

```
import static org.junit.Assert.assertEquals;
```

```
public class CalculatorTest {
```

@Test

```
public void testAdd() {
```

```
    Calculator calc = new Calculator();
```

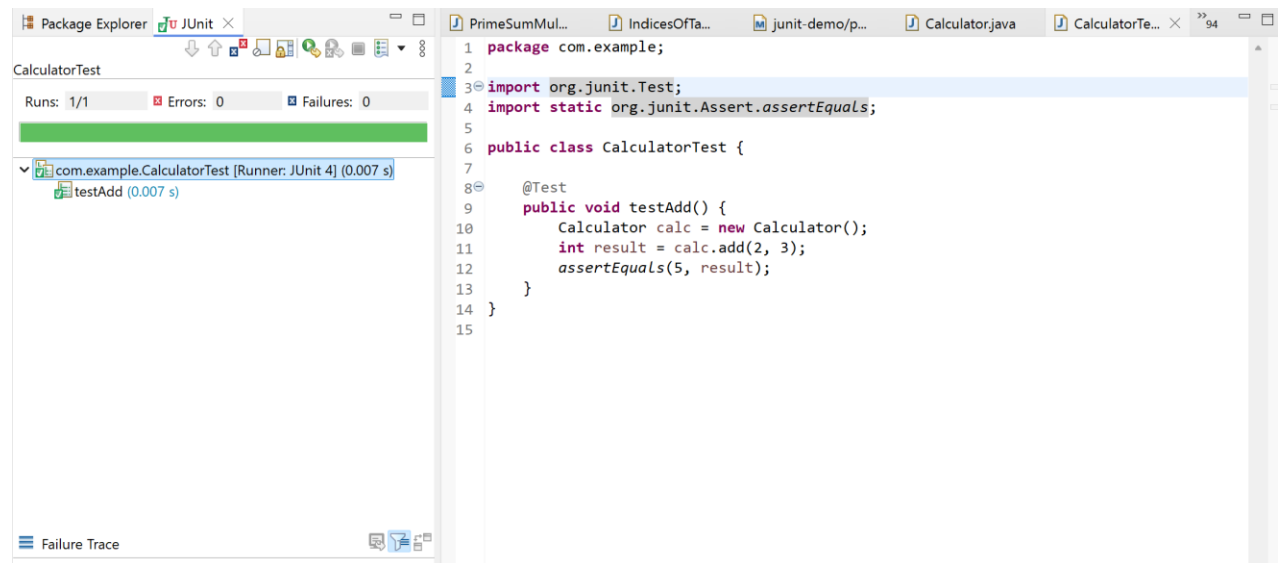
```
    int result = calc.add(2, 3);
```

```
    assertEquals(5, result);
```

```
}
```

```
}
```

## Output:



- ▼ junit-demo
  - ▼ src/main/java
    - ▼ com.example
      - ▶ Calculator.java
    - src/main/resources
  - ▼ src/test/java
    - ▼ com.example
      - ▶ CalculatorTest.java
    - src/test/resources
  - > JRE System Library [JavaSE-1.8]
  - > Maven Dependencies
  - > JUnit 4
  - > src
  - > target
  - pom.xml