**Name: Amogh Girish Nagarkar**

**Superset ID: 6403503**

**Exercise 1: Setting Up JUnit**

**Scenario:**

You need to set up JUnit in your Java project to start writing unit tests.

**Steps:**

1. Create a new Java project in your IDE (e.g., IntelliJ IDEA, Eclipse).
2. Add JUnit dependency to your project. If you are using Maven, add the following to your pom.xml:

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.13.2</version>

<scope>test</scope>

</dependency>

1. Create a new test class in your project.

**Code:**

**pom.xml (Maven Dependency)**

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.13.2</version>

<scope>test</scope>

</dependency>

**Calculator.java (src/main/java)**

package com.amogh.testing;

public class Calculator {

public int add(int a, int b) {

return a + b;

}

}

**CalculatorTest.java (src/test/java)**

package com.amogh.testing;

import static org.junit.Assert.\*;

import org.junit.Test;

public class CalculatorTest {

@Test

public void testAdd() {

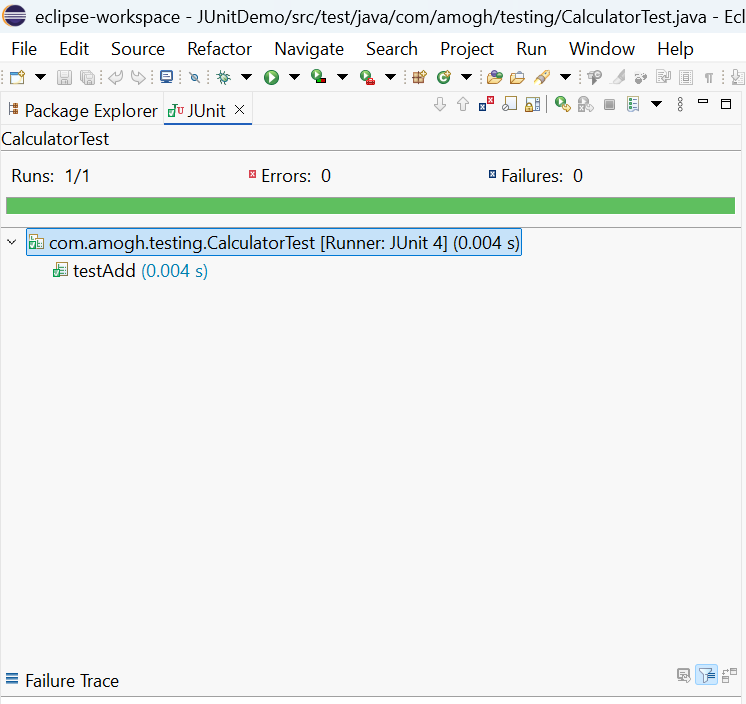
Calculator c = new Calculator();

assertEquals(5, c.add(2, 3));

}

}

**Output:**

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