**Exercise 1: Setting Up Junit**

**Step 1: Create a New Java Project**

**Step 2: Add JUnit Dependency to pom.xml**

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.13.2</version>

<scope>test</scope>

</dependency>

**Step 3: Create a Java Class to Test**

public class Calculator {

public int add(int a, int b) {

return a + b;

}

public int subtract(int a, int b) {

return a - b;

}

}

**Step 4: Create a JUnit Test Class**

import org.junit.Test;

import static org.junit.Assert.assertEquals;

public class CalculatorTest {

@Test

public void testAdd() {

Calculator calc = new Calculator();

assertEquals(10, calc.add(6, 4));

}

@Test

public void testSubtract() {

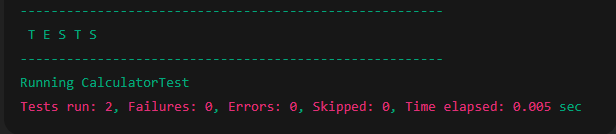
Calculator calc = new Calculator();

assertEquals(2, calc.subtract(6, 4));

}

}

**Output When Running Tests**

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