JUNIT TESTING:

Exercise 4: Arrange-Act-Assert (AAA) Pattern, Test Fixtures, Setup and Teardown Methods in Junit

CODE:

Calculator.java:

package com.example;

public class Calculator {

public int add(int a, int b) {

return a + b;

}

public int subtract(int a, int b) {

return a - b;

}

}

CalculatorTest.java:

package com.example;

import org.junit.After;

import org.junit.Before;

import org.junit.Test;

import static org.junit.Assert.\*;

public class CalculatorTest {

private Calculator calculator;

@Before

public void setUp() {

calculator = new Calculator();

System.*out*.println("Setup complete.");

}

@After

public void tearDown() {

calculator = null;

System.*out*.println("Teardown complete.");

}

@Test

public void testAddition() {

int a = 2;

int b = 3;

int result = calculator.add(a, b);

*assertEquals*(5, result);

}

@Test

public void testSubtraction() {

int a = 5;

int b = 2;

int result = calculator.subtract(a, b);

*assertEquals*(3, result);

}

}

OUTPUT:

