**Week – 2**

**HANDS ON**

**JUnit\_Basic Testing Exercises**

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

**CODE:**

1. **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;

}

}

1. **CalculatorTest.java**

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 testAdd() {

int result = calculator.add(2, 3);

assertEquals(5, result);

}

@Test

public void testSubtract() {

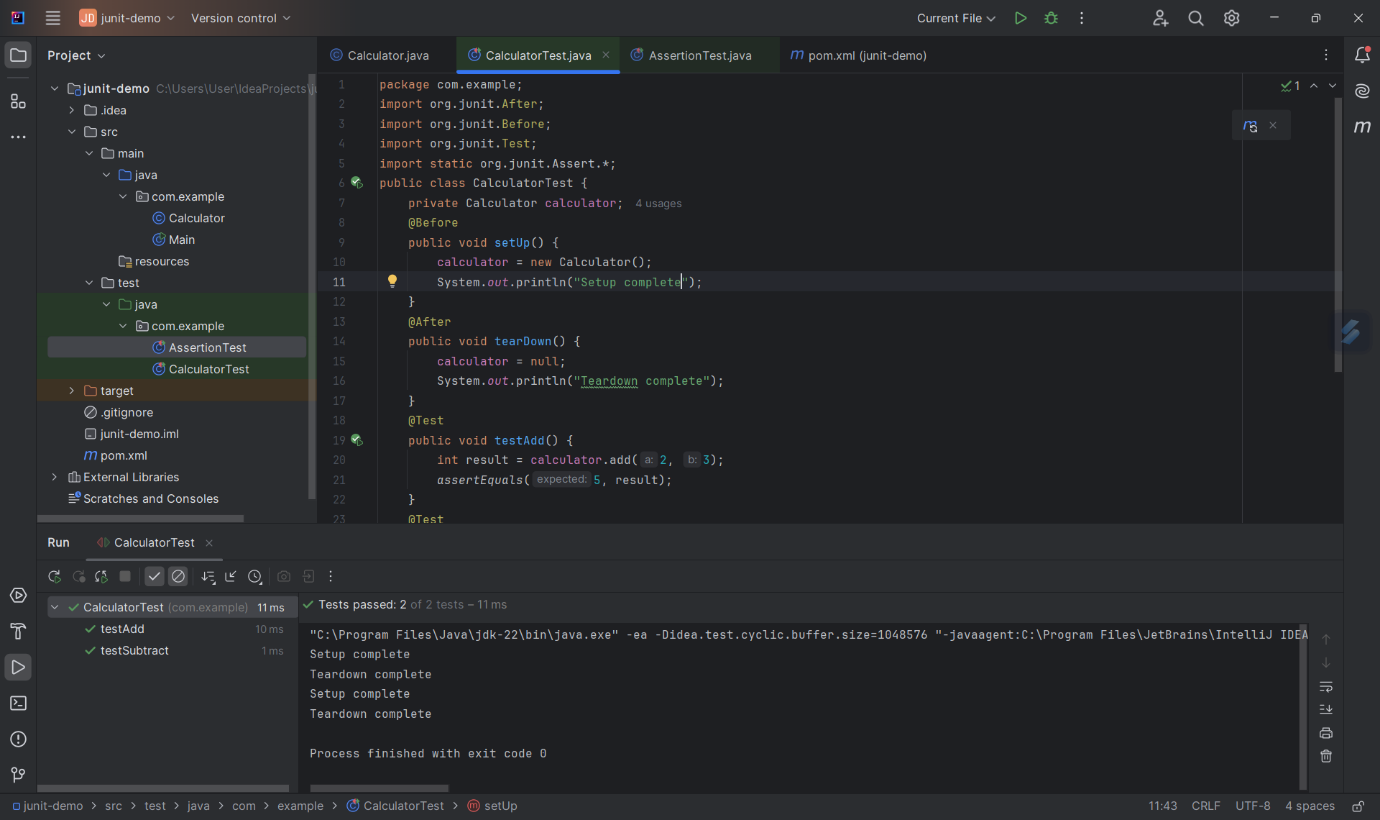
int result = calculator.subtract(10, 4);

assertEquals(6, result);

}

}

**OUTPUT**

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