**WEEK – 2**

**HANDS ON**

**JUnit\_Basic Testing Exercises**

**Exercise 1: Setting Up Junit**

CODE

1. **Pom.xml**

<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.example</groupId>

<artifactId>junit-demo</artifactId>

<version>1.0-SNAPSHOT</version>

<properties>

<maven.compiler.source>22</maven.compiler.source>

<maven.compiler.target>22</maven.compiler.target>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.13.2</version>

<scope>test</scope>

</dependency>

</dependencies>

</project>

1. **Calculator.java**

package com.example;

public class Calculator {

public int add(int a, int b) {

return a + b;

}

}

1. **CalculatotTest.java**

package com.example;

import org.junit.Test;

import static org.junit.Assert.\*;

public class CalculatorTest {

@Test

public void testAdd() {

Calculator calc = new Calculator();

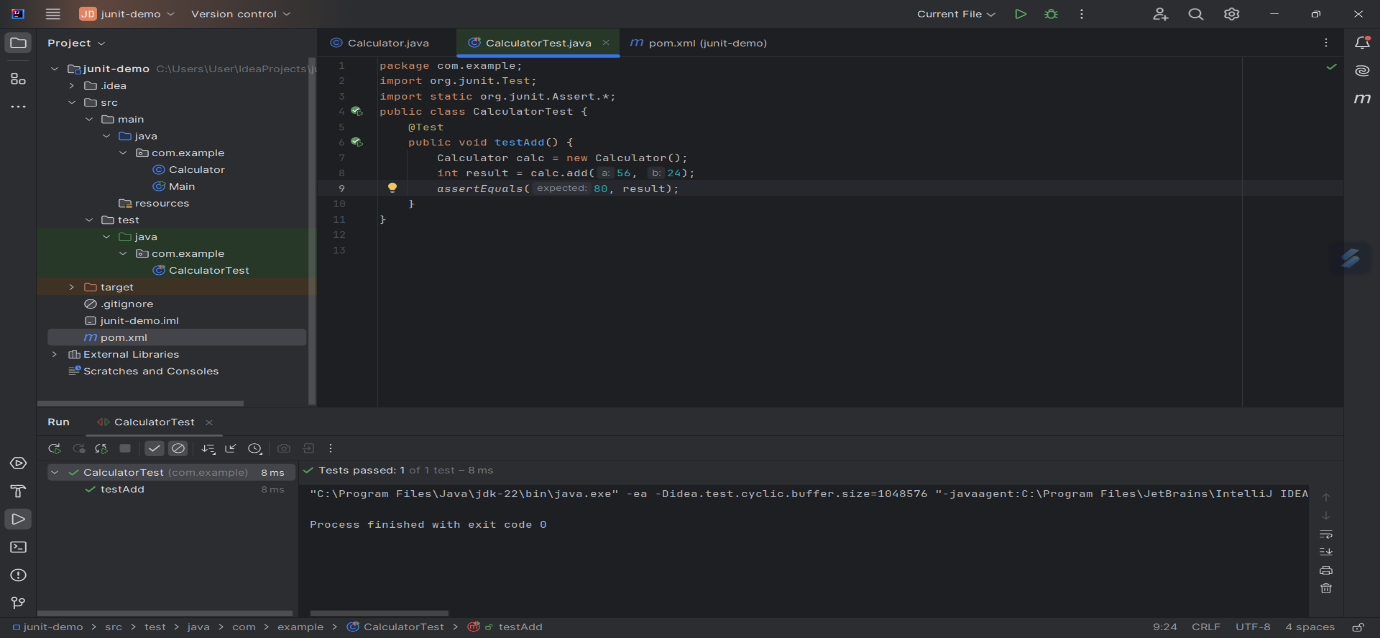
int result = calc.add(56, 24);

assertEquals(80, result);

}

}

**OUTPUT**

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