# Week2-{NUNIT-HANDSON}

## CODE-

using NUnit.Framework;

using CalcLibrary;

namespace CalcLibrary.Tests

{

// TestFixture marks this class as a test class

[TestFixture]

public class CalculatorTests

{

private SimpleCalculator \_calculator;

// SetUp runs before each test

[SetUp]

public void Init()

{

\_calculator = new SimpleCalculator();

}

// TearDown runs after each test

[TearDown]

public void Cleanup()

{

\_calculator = null;

}

// TestCase allows parameterized testing

[Test]

[TestCase(2, 3, 5)]

[TestCase(-1, -2, -3)]

[TestCase(0, 0, 0)]

public void Addition\_ShouldReturnExpected(double a, double b, double expected)

{

double result = \_calculator.Addition(a, b);

Assert.That(result, Is.EqualTo(expected));

}

// Ignored test for demonstration

[Test]

[Ignore("Ignored test example")]

public void Ignored\_Test()

{

Assert.Fail("This test is ignored");

}

}

}

OUTPUT-

