Exercise: Moq-Handson

Program:

using NUnit.Framework;

using Moq;

public interface IUserRepository

{

string GetUserName(int id);

}

public class UserService

{

private readonly IUserRepository \_repo;

public UserService(IUserRepository repo)

{

\_repo = repo;

}

public string GetWelcomeMessage(int id)

{

return $"Welcome, {\_repo.GetUserName(id)}!";

}

}

[TestFixture]

public class UserServiceTests

{

[Test]

public void GetWelcomeMessage\_ReturnsProperMessage()

{

var mock = new Mock<IUserRepository>();

mock.Setup(r => r.GetUserName(1)).Returns("Cycer");

var service = new UserService(mock.Object);

Assert.That(service.GetWelcomeMessage(1), Is.EqualTo("Welcome, Cycer!"));

}

}

Output:

Restore complete (0.4s)

CalculatorTests succeeded (3.1s) → bin\Debug\net9.0\CalculatorTests.dll

NUnit Adapter 4.6.0.0: Test execution started

Running all tests in C:\Users\Administrator\Desktop\TestProject\CalculatorTests\bin\Debug\net9.0\CalculatorTests.dll

NUnit3TestExecutor discovered 2 of 2 NUnit test cases using Current Discovery mode, Non-Explicit run

NUnit Adapter 4.6.0.0: Test execution complete

CalculatorTests test succeeded (1.2s)

Test summary: total: 2, failed: 0, succeeded: 2, skipped: 0, duration: 1.2s

Build succeeded in 5.3s

