COS20007 – Object Oriented Programming
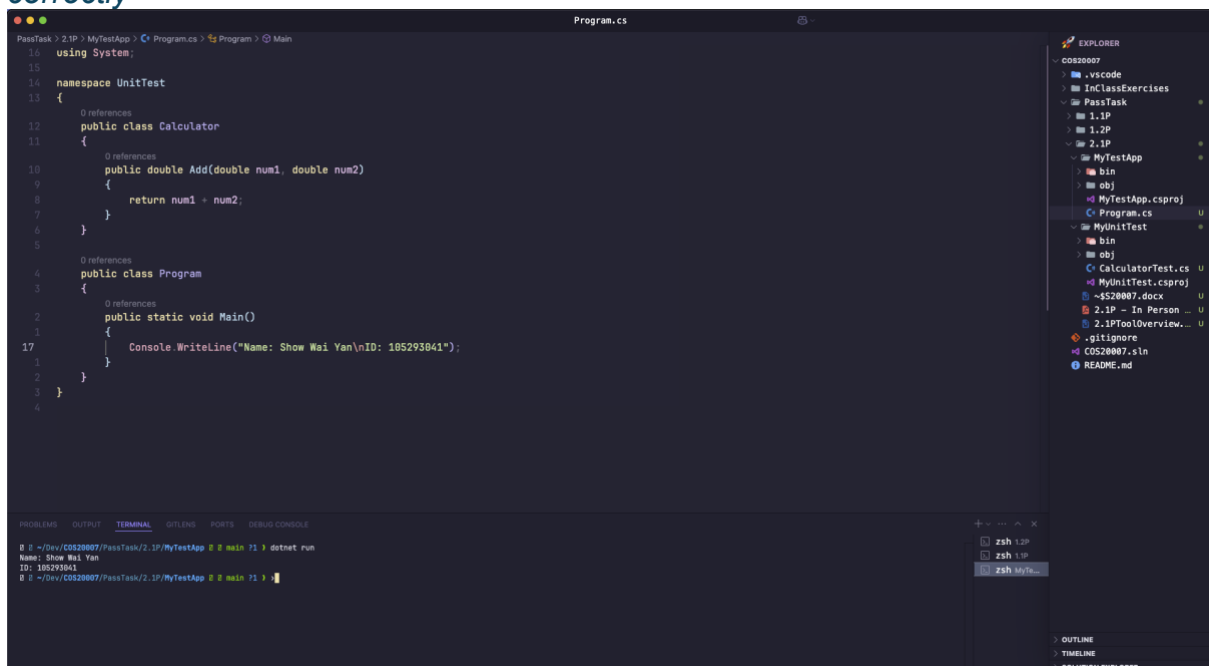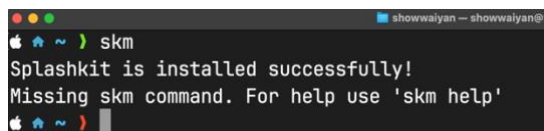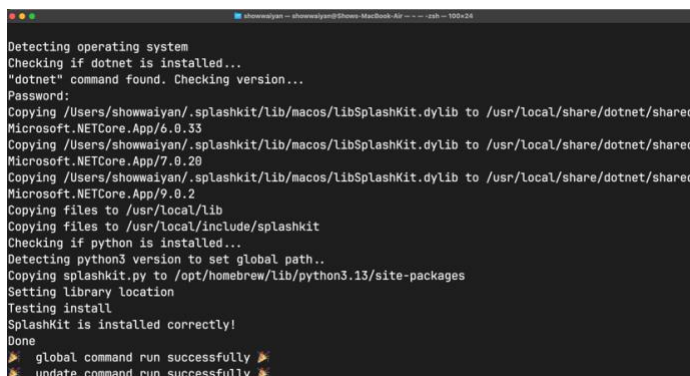
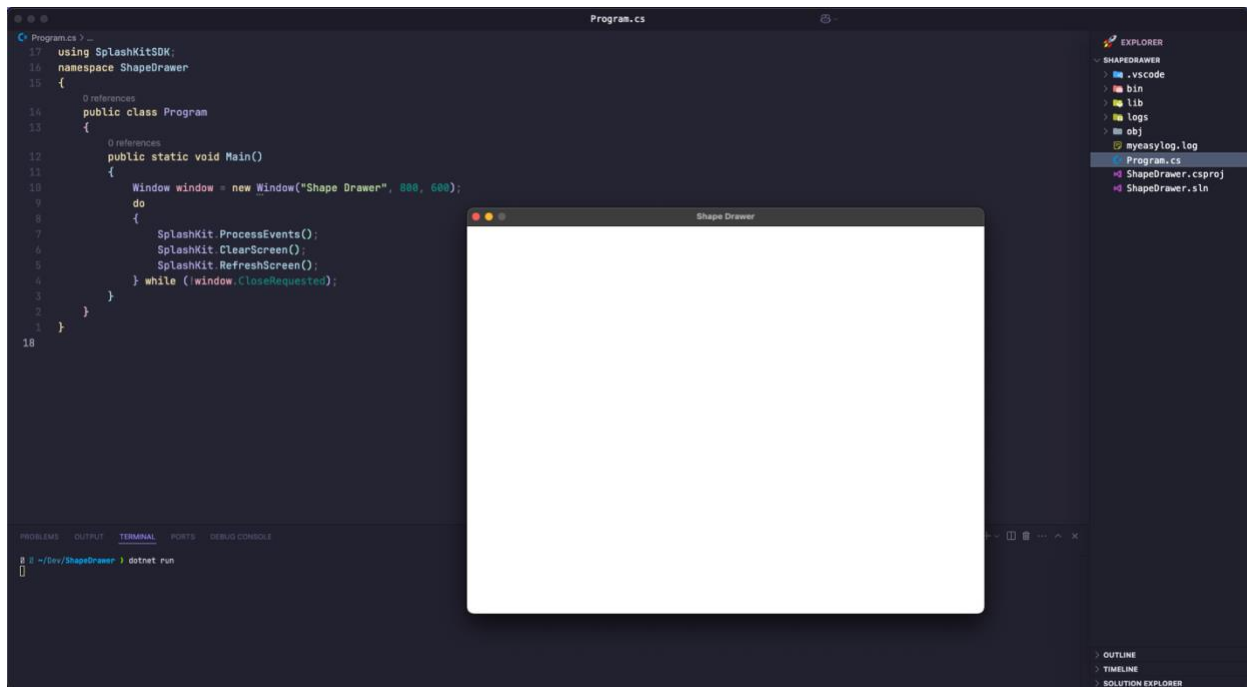Pass Task 2.1: In Person Check-in 1 — Tools Overview

Show Wai Yan/105293041

A screenshot showing that Visual Studio(Code) has been installed, and runs correctly

A screenshot showing that SplashKit has been installed, and runs correctly

```
using SplashKitSDK;
namespace ShapeDrawer
{
    public class Program
    {
        public static void Main()
        {
            Window window = new Window("Shape Drawer", 800, 600);
            do
            {
                SplashKit.ProcessEvents();
                SplashKit.ClearScreen();
                SplashKit.RefreshScreen();
            } while (!window.CloseRequested);
        }
    }
}
```

TERMINAL

```
0 0 ~/Dev/ShapeDrawer ) dotnet run
```

EXPLORER
SHAPEDRAWER
.vscode
bin
lib
logs
obj
myeasylog.log
Program.cs
ShapeDrawer.csproj
ShapeDrawer.sln

OUTLINE
TIMELINE
SOLUTION EXPLORER

A screenshot showing that you can successfully run a basic unit test

PassTask > 2.1P > MyUnitTest > CalculatorTest.cs > TestCaseClass

```
using NUnit.Framework;
using NUnit.Framework.Legacy;
using UnitTest;

namespace TestCase
{
    [TestFixture]
    public class TestCaseClass
    {
        private Calculator calculator;

        [SetUp]
        public void SetUp()
        {
            calculator = new Calculator();
        }

        [Test]
        public void Add_Test()
        {
            double result = calculator.Add(2, 8);
            ClassicAssert.AreEqual(10, result);
        }
    }
}
```

TERMINAL

```
0 0 ~/Dev/COS20007/PassTask/2.1P/MyUnitTest 0 0 main ?3 ) dotnet test
Restore complete (0.2s)
  MyTestApp succeeded (0.1s) → /Users/showwaiyan/Dev/COS20007/PassTask/2.1P/MyTestApp/bin/Debug/net9.0/MyTestApp.dll
  MyUnitTest succeeded (0.1s) → bin/Debug/net9.0/MyUnitTest.dll
NUnit Adapter 5.0.0.0: Test execution started
Running all tests in /Users/showwaiyan/Dev/COS20007/PassTask/2.1P/MyUnitTest/bin/Debug/net9.0/MyUnitTest.dll
  NUnit3TestExecutor discovered 1 of 1 NUnit test cases using Current Discovery mode, Non-Explicit run
NUnit Adapter 5.0.0.0: Test execution complete
  MyUnitTest test succeeded (0.4s)

Test summary: total: 1, failed: 0, succeeded: 1, skipped: 0, duration: 0.4s
Build succeeded in 1.0s
0 0 ~/Dev/COS20007/PassTask/2.1P/MyUnitTest 0 0 main ?3 ) []
```