SWINBURNE UNIVERSITY OF TECHNOLOGY

COS20007 OBJECT ORIENTED PROGRAMMING

2.2P - Counter Class

PDF generated at 23:33 on Wednesday 15th March, 2023

```csharp
using Microsoft.VisualBasic;
using System;

namespace CounterTask
{
    class Program

    {

        static void PrintCounters(Counter[] counters)
        {


            foreach (Counter counter in counters)
            {
                Console.WriteLine("{0} is {1},", counter.Name, counter.Ticks);
            }

        }


        static void Main(string[] args)
        {
            Counter[] myCounters = new Counter[3];


            myCounters[0] = new Counter("Counter 1");
            myCounters[1] = new Counter("Counter 2");
            myCounters[2] = myCounters[0];

            for (int i = 0; i < 9; i++)
            {
                myCounters[0].Increment();
            }
            for (int i = 0;i < 14; i++)
            {
                myCounters[1].Increment();
            }

            PrintCounters(myCounters);

            myCounters[2].Reset();

            PrintCounters(myCounters);




        }
    }

}
```

```csharp
using System.Security.Cryptography.X509Certificates;

namespace CounterTask
{
    public class Counter
    {
        private int _count;
        private string _name;
        public Counter (string name)

        {
            _name = name;
            _count = 0;
        }
        public void Increment()
        {
            _count++;

        }
        public void Reset()
        {
            _count = 0;
        }
        public string Name
        {
            get
            {
                return _name;
            }
            set
            {
                _name = value;
            }
        }
        public int Ticks
        {
            get
            {
                return (int)_count;
            }
        }




    }




}
```

```
ublic class Counter

    private int _count;
    private st
    public Cou
    {

        _name
        _count
    }
    public voi
    {

        _count
    }
    public voi
    {

        _count
    }
    public str
    {

        get
        {

            ret
        }
        set
        {

            _na
        }
    }
    public int
    {

        get
        {

issues found
```

```
Microsoft Visual Studio Debug Console                          —  □  ×

Counter 1 is 9,
Counter 2 is 14,
Counter 1 is 9,
Counter 1 is 0,
Counter 2 is 14,
Counter 1 is 0,

C:\Users\Henry\source\repos\CounterTask\CounterTask\bin\Debug\net6.0\CounterTask.exe (process 21092) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .
```

CounterTask
  ▷ Dependencies
  ▷ C# Counter.cs
  ▷ C# Program.cs

❌ 0 Errors   ⚠ 0 Warnings   ⓘ 0 Messages   Build + IntelliSense   Search Error List

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