Counter Class

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```csharp
1   using System.Security.Cryptography;
2   using System.Xml.Linq;
3
4   namespace Program
5   {
6       public class Counter
7       {
8           private int _count;
9           private string _name;
10
11          public Counter(string name)
12          {
13              _count = 0;
14              _name = name;
15          }
16
17          public void Increment()
18          {
19          _count++;
20          }
21          public void Reset()
22          {
23          _count = 0;
24          }
25
26          public string Name
27          {
28              get => _name;
29              set => _name = value;
30          }
31
32          public int Ticks
33          {
34              get => _count;
35          }
36
37      }
38
39      public class MainClass
40      {
41          private static void PrintCounters(Counter[] counter)
42          {
43              foreach(var i in counter)
44              {
45                  Console.WriteLine("{0} is {1}",i.Name,i.Ticks);
46              }
47          }
48
49          public static void Main(string[] args)
50          {
51
52              Counter[] myCounters = new Counter[3];
53              myCounters[0]= new Counter("Counter 1");
```

```
54            myCounters[1]= new Counter("Counter 2");
55            myCounters[2] = myCounters[0];
56
57            for (int i =0; i < 10;i++)
58            {
59                myCounters[0].Increment();
60            }
61
62            for (int i = 0; i < 15; i++)
63            {
64                myCounters[1].Increment();
65            }
66            PrintCounters(myCounters);
67            myCounters[2].Reset();
68            PrintCounters(myCounters);
69        }
70
71     }
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