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2.2P

Counter.cs

```
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 _count;
     public void ResetByDefault()
       // unchecked allows a value that overflows int range without throwing an exception.
       unchecked
          _{count} = (int)2147483647912;
```

Program.cs

```
namespace CounterTask
  internal class Program
     private static void PrintCounters(Counter[] counters)
       foreach (Counter c in counters)
          Console.WriteLine("{0} is {1}", c.Name, c.Ticks);
     public static void Main()
       Counter[] myCounters = new Counter[3];
       myCounters[0] = new Counter("Counter 1");
       myCounters[1] = new Counter("Counter 2");
       myCounters[2] = myCounters[1];
       for (int i = 1; i <= 9; i++)
          myCounters[0].Increment();
       for (int i = 1; i <= 14; i++)
          myCounters[1].Increment();
       Program.PrintCounters(myCounters);
       myCounters[2].Reset();
       Program.PrintCounters(myCounters);
  }
}
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

• ~/Desktop/00PAssignments/P22/CounterTask > dotnet run
Counter 1 is 9
Counter 2 is 14
Counter 2 is 14
Counter 1 is 9
Counter 2 is 0
Counter 2 is 0

• ~/Desktop/00PAssignments/P22/CounterTask > ■
```