

```
using System; // Prac2Q1Program.cs
```

```
namespace Prac2
```

```
{
```

```
    class Program
```

```
    {
```

```
        static void Main(string[] args)
```

```
        {
```

```
            // declare data objects
```

```
            float length = 9.1234f, width = 4.7890f, depth = 2.78f, Volume;
```

```
            // calculate
```

```
            Volume = length * width * depth;
```

```
            //output
```

```
            Console.WriteLine("The Volume is {0:#####}" , Volume);
```

```
            Console.WriteLine("The Volume is {0:#####}" , .5);
```

```
            Console.WriteLine("The Volume is {0:0.#####}" , .5);
```

```
            Console.WriteLine("The Volume is {0}" , .5.ToString("#.#####"));
```

```
            Console.WriteLine("The Volume is {0:0.000}" , .5);
```

```
            Console.WriteLine("The Volume is {0:f3}" , .5);
```

```
            Console.WriteLine("The Volume is {0:f}" , .5);
```

```
            Console.WriteLine("The Volume is {0:f0}" , .5);
```

```
            Console.WriteLine("The Volume is {0:f6}" , .5);
```

```
        }
```

```
    }
```

```
}
```

```
using System;
```

```
namespace Prac2Q2
```

```
{
```

```
    class Program
```

```
    {
```

```
        static void Main(string[] args)
```

```
        {
```

```
            // declare data objects
```

```
            int length = 10, width = 20, depth = 10, x;
```

```
            // calculate
```

```
            x = length + width * depth;
```

```
            // x = (length + width) * depth; // logical error if leave it here
```

```
            //output
```

```
            Console.WriteLine("{0:f} + {1:f} * {2:f} = {3:f}", length, width, depth, x);
```

```
            x = (length + width) * depth;
```

```
            Console.WriteLine("({0:f} + {1:f}) * {2:f} = {3:f}", length, width, depth, x);
```

```
        }
```

```
    }
```

```
}
```

```
using System;

namespace Prac2Q2b
{
    class Program
    {
        static void Main(string[] args)
        {
            // Percent in int type with 99/100 => 0 but 40/100.0 or 40.0/100 will give 0.4

            // declare data objects
            decimal Item1 = 12.65m, Item2 = 23.56m, Percent = 40, Total;

            // calculate
            Total = Item1 + Item2;

            //output
            Console.WriteLine("Sub Total: {0:c} + {1:c} = {2:c}", Item1, Item2, Total);

            Total = (Item1 + Item2) * Percent/100;

            Console.WriteLine("Discount: ({0:c} + {1:c}) * {2:f} % = {3:c}", Item1, Item2, Percent, Total);

            Console.WriteLine("Due Amount: {0:c}", (Item1 + Item2) - Total);

        }
    }
}
```

```

using System;

namespace Prac2Q2b1
{
    class Program
    {
        static void Main(string[] args)
        {
            // declare data objects
            decimal Item1 = 12.65m, Item2 = 23.56m, Percent = 40, Discount, Total;

            // calculate
            Total = Item1 + Item2;

            Discount = (Item1 + Item2) * Percent/100;

            //output
            Console.WriteLine("\n\t\tMYER STORE\n\t\tHalf Year Sales\n");

            Console.WriteLine("\t{0,-15}:{1,8:c}", "Item 1", Item1);
            Console.WriteLine("\t{0,-15}:{1,8:c}", "Item 2", Item2);
            Console.WriteLine("\t{0,-15}:{1}", "", new string('*',8));
            Console.WriteLine("\t{0,-15}:{1,8:c}", "Sub Total", Total);
            Console.WriteLine("\t{0,-15}:{1,8:c} ({2:f} %)", "Discount", Discount, Percent);
            Console.WriteLine("\t{0,-15}:{1}", "", new string('*', 8));
            Console.WriteLine("\t{0,-15}:{1,8:c}\n\n", "Due Amount", Total - Discount);

            /*
            Console.WriteLine("Sub Total: {0:c} + {1:c} = {2:c}", Item1, Item2, Total);
            Console.WriteLine("Discount: ({0:c} + {1:c}) * {2:f} % = {3:c}", Item1, Item2, Percent, Discount);
            Console.WriteLine("Due Amount: {0:c}", Total - Discount);*/

        }
    }
}

```

```
using System;
```

```
namespace Prac2Q2b2
```

```
{
```

```
    class Program
```

```
    {
```

```
        static void Main(string[] args)
```

```
        {
```

```
            // declare data objects
```

```
            decimal Item1 = 1020.65m, Item2 = 23.56m, Percent = 40, Discount, Total;
```

```
            // calculate
```

```
            Total = Item1 + Item2;
```

```
            Discount = (Item1 + Item2) * Percent/100;
```

```
            //output
```

```
            Console.WriteLine("\n\t\tMYER STORE\n\t\tHalf Year Sales\n");
```

```
            Console.WriteLine("\t{0,-15}:{1,8:c}", "Item 1", Item1);
```

```
            Console.WriteLine("\t{0,-15}:{1,8:c}", "Item 2", Item2);
```

```
            Console.WriteLine("\t{0,-16}{1}", "", new string('*',8));
```

```
            Console.WriteLine("\t{0,-15}:{1,8:c}", "Sub Total", Total);
```

```
            Console.WriteLine("\t{0,-15}:{1,8:c} (-{2:f} %)", "Discount", Discount, Percent);
```

```
            Console.WriteLine("\t{0,-16}{1}", "", new string('*', 8));
```

```
            Console.WriteLine("\t{0,-15}:{1,8:c}\n", "Due Amount", Total - Discount);
```

```
        /*
```

```
        Console.WriteLine("Sub Total: {0:c} + {1:c} = {2:c}", Item1, Item2, Total);
```

```
        Console.WriteLine("Discount: ({0:c} + {1:c}) * {2:f} % = {3:c}", Item1, Item2, Percent, Discount);
```

```
        Console.WriteLine("Due Amount: {0:c}", Total - Discount);*/
```

```
    }
```

```
}
```

```
}
```

```
using System;
```

```
namespace Prac2Q2b3
```

```
{
```

```
    class Program
```

```
    {
```

```
        static void Main(string[] args)
```

```
        {
```

```
            // declare data objects
```

```
            decimal Item1 = 1020.65m, Item2 = 23.56m, Percent = 40, Discount, Total;
```

```
            // calculate
```

```
            Total = Item1 + Item2;
```

```
            Discount = (Item1 + Item2) * Percent/100;
```

```
            //output
```

```
            Console.WriteLine("\n\t\tMYER STORE\n\t\tHalf Year Sales\n");
```

```
            Console.WriteLine("\t{0,-15}$ {1,8:f}", "Item 1:", Item1);
```

```
            Console.WriteLine("\t{0,-15}$ {1,8:f}", "Item 2:", Item2);
```

```
            Console.WriteLine("\t{0,-16}{1,8:f}", "", new string('*', 8));
```

```
            Console.WriteLine("\t{0,-15}$ {1,8:f}", "Sub Total:", Total);
```

```
            Console.WriteLine("\t{0,-15}$ {1,8:f} (-{2:p2})", "Discount:", Discount, Percent/100);
```

```
            Console.WriteLine("\t{0,-16}{1,8:f}", "", new string('*', 8));
```

```
            Console.WriteLine("\t{0,-15}$ {1,8:f}\n\n", "Due Amount:", Total - Discount);
```

```
        /*
```

```
        Console.WriteLine("Sub Total: {0:c} + {1:c} = {2:c}", Item1, Item2, Total);
```

```
        Console.WriteLine("Discount: ({0:c} + {1:c}) * {2:f} % = {3:c}", Item1, Item2, Percent, Discount);
```

```
        Console.WriteLine("Due Amount: {0:c}", Total - Discount);*/
```

```
    }
```

```
}
```

```
}
```

```

using System;

namespace Prac2Q2b4
{
    class Program
    {
        static void Main(string[] args)
        {
            // declare data objects

            float Item1 = 12.65f, Item2 = 23.56f, Percent = 40, Discount, Total;

            // calculate

            Total = Item1 + Item2;

            Discount = (Item1 + Item2) * Percent/100;

            //output

            Console.WriteLine("\n\t\tMYER STORE\n\t\tHalf Year Sales\n");

            Console.WriteLine("\t{0,-15}${1,8:f}", "Item 1:", Item1);

            Console.WriteLine("\t{0,-15}${1,8:f}", "Item 2:", Item2);

            Console.WriteLine("\t{0,-15}{1}", "", new string('*',10));

            Console.WriteLine("\t{0,-15}${1,8:f}", "Sub Total:", Total);

            Console.WriteLine("\t{0,-15}${1,8:f} (-{2:p2})", "Discount:", Discount, Percent/100);

            Console.WriteLine("\t{0,-15}{1}", "", new string('*', 10));

            Console.WriteLine("\t{0,-15}${1,8:f}\n\n", "Due Amount:", Total - Discount);

            /*

            Console.WriteLine("Sub Total: {0:c} + {1:c} = {2:c}", Item1, Item2, Total);

            Console.WriteLine("Discount: ({0:c} + {1:c}) * {2:f} % = {3:c}", Item1, Item2, Percent, Discount);

            Console.WriteLine("Due Amount: {0:c}", Total - Discount);*/

        }
    }
}

```