

### Answer on Question #45145, Engineering, Other

**Task:** Write a program that computes the perimeter and the area of a rectangle. Define your own values for the length and width. (Assuming that L and W are the length and width of the rectangle, Perimeter =  $2*(L+W)$  and Area =  $L*W$ .)

#### **Solution:**

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace ConsoleApplication30
{
    class Rectangle
    {
        double Length, Width;
        double area;
        public Rectangle(double L, double W)
        {
            Length = L;
            Width = W;
        }
        public double Area(double L, double W)
        {
            return L * W;
        }
        public double Perimeter(double L, double W)
        {
            return 2 * (L + W);
        }
    }

    class Program
    {
        static void Main(string[] args)
        {
            double L, W;
            Console.Write("Enter Length: ");
            L = double.Parse(Console.ReadLine());
            Console.Write("Enter Width: ");
            W = double.Parse(Console.ReadLine());
```

```
Rectangle r = new Rectangle(L,W);
Console.WriteLine("Area of Rectangle:"+r.Area(L,W));
Console.WriteLine("Perimeter of Rectangle:" + r.Perimeter(L, W));

    Console.ReadLine();
}
}
```