Answer to question #39353, Programming, C#

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

namespace Task_35657
{
    class Program
    {
        static void Main(string[] args)
        {
            string p = ReadInput();
            double[] item_prices = Parse_item_prices(p);
            if (item_prices == null)
            {
                Console.WriteLine("incorrect input");
                Console.ReadLine();
                return;
            }

            double sum=0;
            for (int i = 0; i < item_prices.Length; i++)
            {
                sum += item_prices[i];
            }
            double shipping = Calculate_shipping(sum);
            double tax = Calculate_taxes(sum);

            Output(sum, shipping, tax);
        }

        static string ReadInput()
        {
            Console.WriteLine("enter item prices:");
            string input = Console.ReadLine();
            return input;
        }
        static void Output(double sum, double shipping, double taxes)
        {
            Console.WriteLine();
            Console.WriteLine();
            Console.WriteLine("======== Total purchase charge ========");
            Console.WriteLine(Math.Round(sum, 2).ToString()+" $");
            Console.WriteLine();
            Console.WriteLine("======== Sales tax amount ========");
            Console.WriteLine(Math.Round(taxes, 2).ToString() + " $");
            Console.WriteLine();
            Console.WriteLine("======== Shipping charge ========");
            Console.WriteLine(Math.Round(shipping, 2).ToString() + " $");
            Console.WriteLine();
            Console.WriteLine("======== Grand total ========");
            Console.WriteLine(Math.Round(shipping+sum+taxes, 2).ToString() + " $");
            Console.ReadLine();
        }

        static double[] Parse_item_prices(string prices)
        {

            string[] item_prices_string = prices.Split(' ');
```

```
            double[] item_prices = new double[item_prices_string.Length];
            bool success;
            int i = 0;
            do
            {
                success = false;
                success = double.TryParse(item_prices_string[i], out item_prices[i]);
                if (item_prices[i] < 0)
                    success = false;
                i++;
            }
            while (success && i < item_prices.Length);
            if (!success)
            {
                return null;
            }
            else
                return item_prices;
        }

        static double Calculate_shipping(double sum)
        {
            double shipping;
            if (sum <= 250)
                shipping = 5;
            else
                if (sum > 250 && sum <= 500)
                    shipping = 8;
                else
                    if (sum > 500 && sum <= 1000)
                        shipping = 10;
                    else
                        if (sum > 1000 && sum <= 5000)
                            shipping = 15;
                        else
                            shipping = 20;
            return shipping;
        }

        static double Calculate_taxes(double sum)
        {
            return sum * 0.07;
        }
    }
}
```