Day 1

Name : DHANAPAL

Date : 19/08/2024

1) Code :
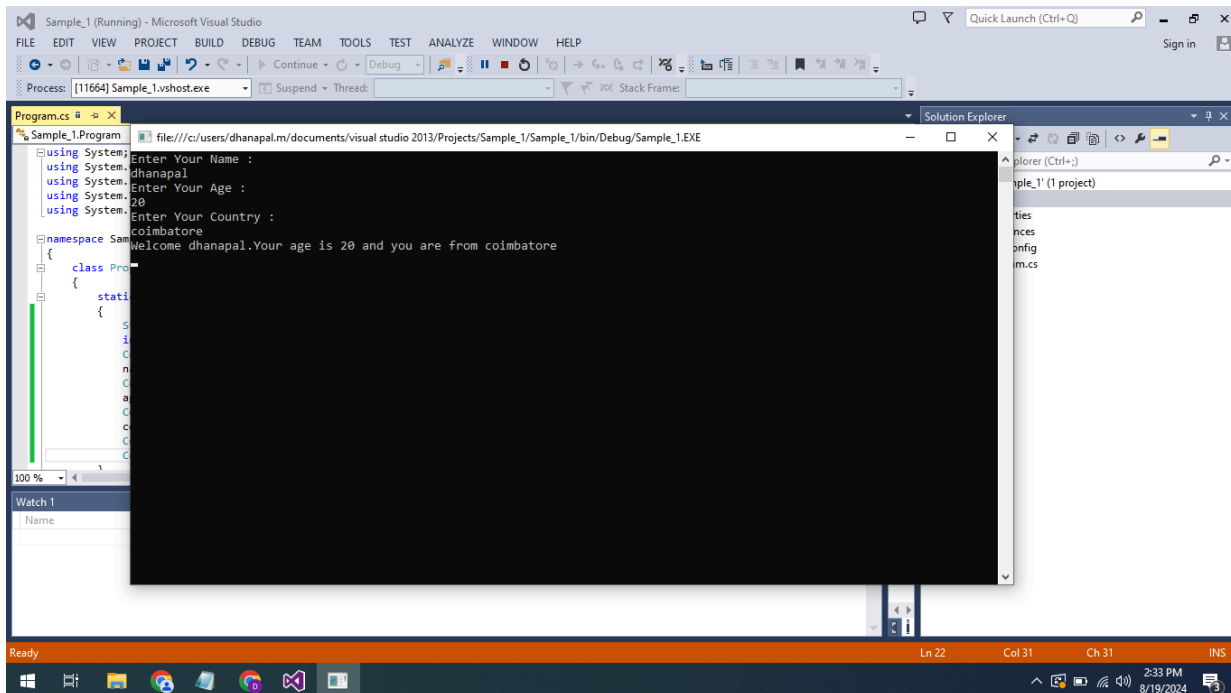

Output :

2)

Code:


```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Sample_2
{
    class Program
    {
        static double findsquare(double num)
        {
            return num * num;
        }
        static double findcube(double num)
        {
            return num * num *num;
        }
        static void Main(string[] args)
        {
            double num;
            Console.WriteLine("Enter a Number :");
            num = Convert.ToDouble(Console.ReadLine());
            double square=findsquare(num);
            double cube=findcube(num);
            Console.WriteLine("Square of " + num + " is " + square);
            Console.WriteLine("Cube of " + num + " is " + cube);
            Console.ReadKey();
        }
    }
}
```

Output :


```
Enter a Number :
4
Square of 4 is 16
Cube of 4 is 64
```

3)

Code:


```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Sample_3
{
    class Program
    {
        static void Main(string[] args)
        {
            int x, y;
            bool check;
            Console.WriteLine("Enter the value for X :");
            x=Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter the value for Y :");
            y=Convert.ToInt32(Console.ReadLine());
            check=x<y;
            Console.WriteLine("The Result of whether X is less than y is "+check);
            Console.ReadKey();
        }
    }
}
```
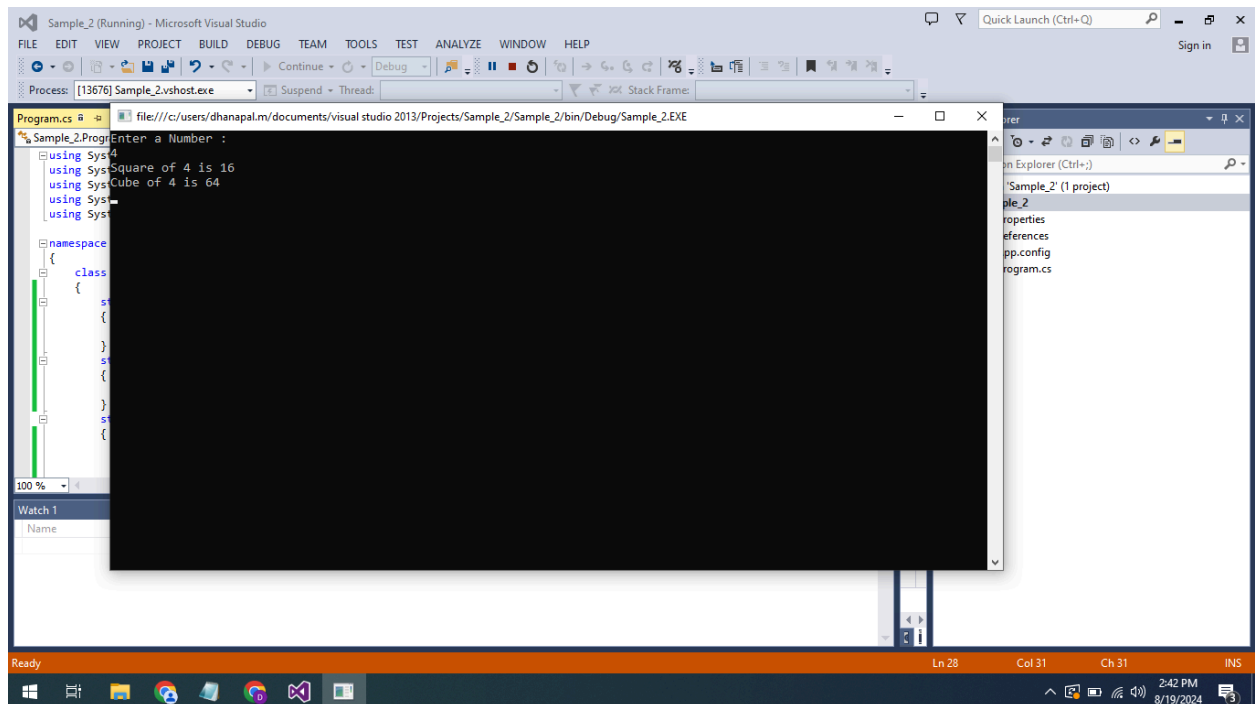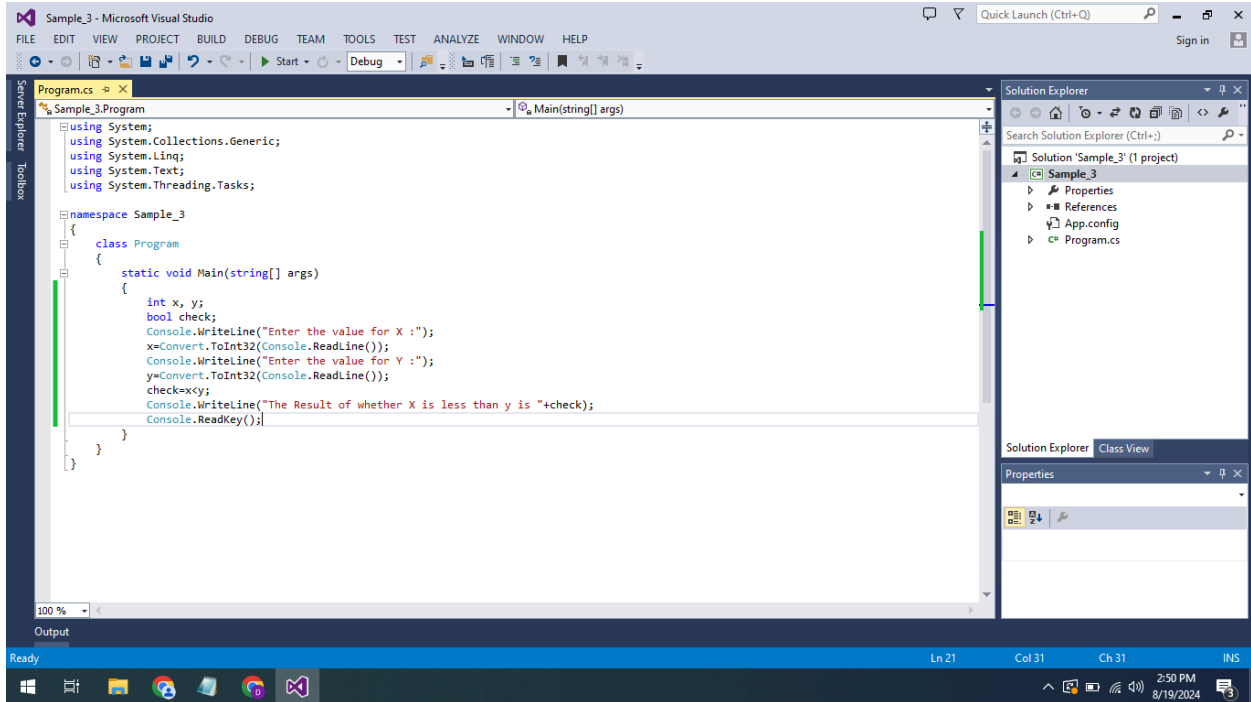
Output:


```
Enter the value for X :
5
Enter the value for Y :
7
The Result of whether X is less than y is True
```
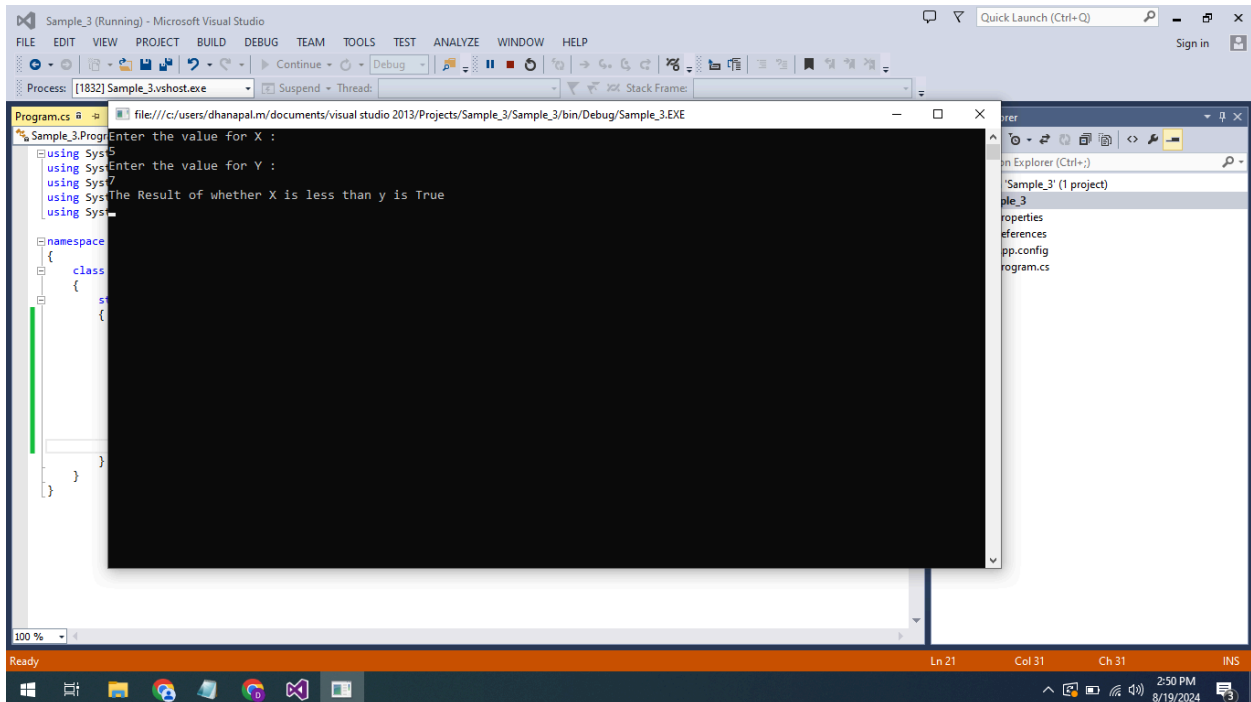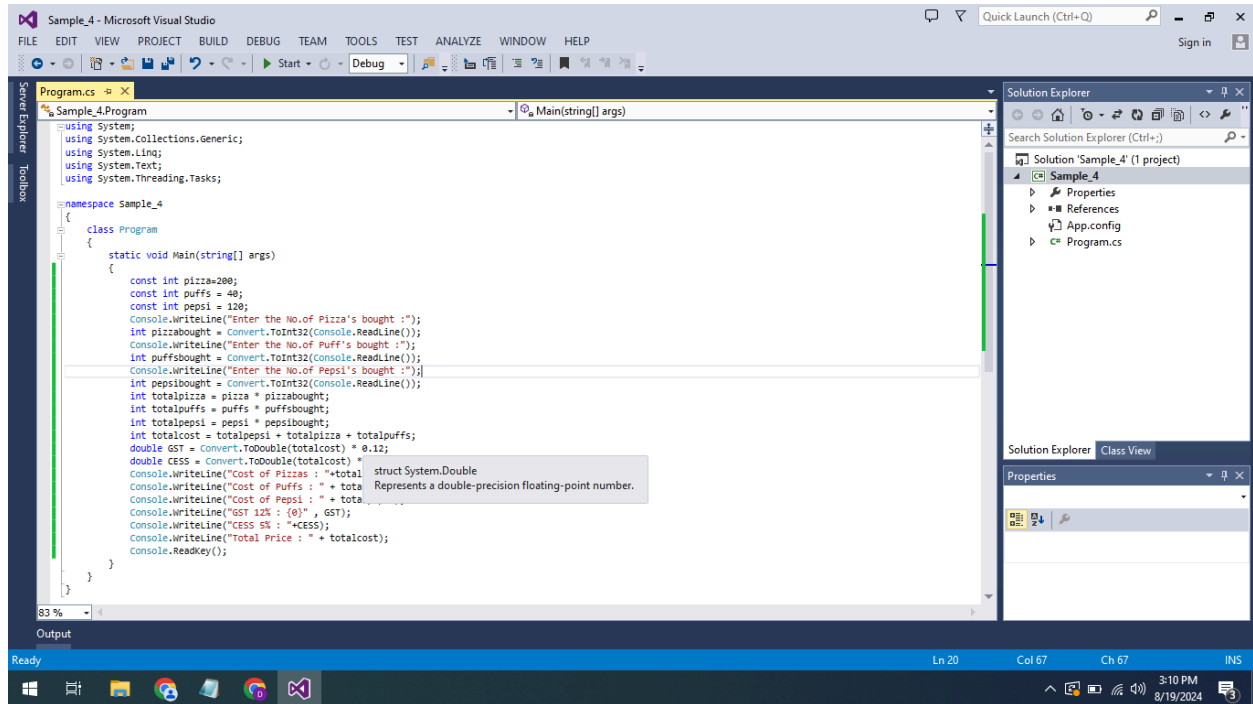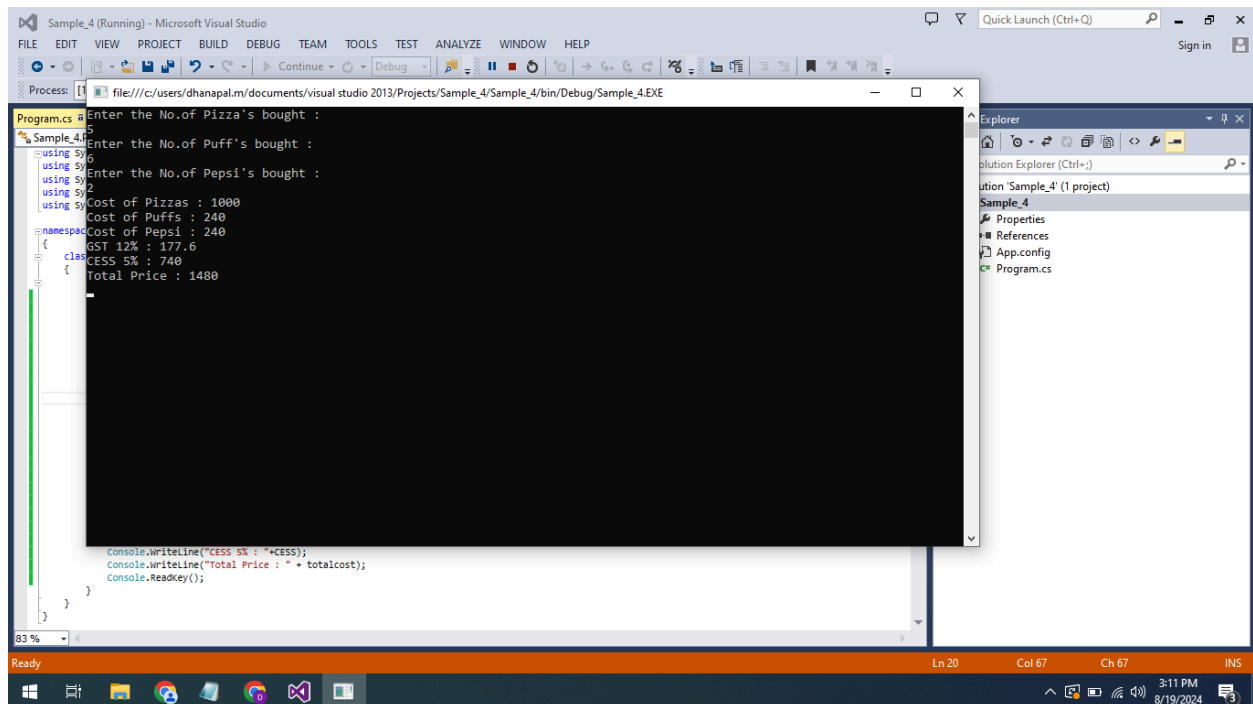
4)

Code:


```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Sample_4
{
    class Program
    {
        static void Main(string[] args)
        {
            const int pizza=200;
            const int puffs = 40;
            const int pepsi = 120;
            Console.WriteLine("Enter the No.of Pizza's bought :");
            int pizzabought = Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter the No.of Puff's bought :");
            int puffsbought = Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter the No.of Pepsi's bought :");
            int pepsibought = Convert.ToInt32(Console.ReadLine());
            int totalpizza = pizza * pizzabought;
            int totalpuffs = puffs * puffsbought;
            int totalpepsi = pepsi * pepsibought;
            int totalcost = totalpepsi + totalpizza + totalpuffs;
            double GST = Convert.ToDouble(totalcost) * 0.12;
            double CESS = Convert.ToDouble(totalcost) *
            Console.WriteLine("Cost of Pizzas : "+total
            Console.WriteLine("Cost of Puffs : " + tota
            Console.WriteLine("Cost of Pepsi : " + tota
            Console.WriteLine("GST 12% : {0}" , GST);
            Console.WriteLine("CESS 5% : "+CESS);
            Console.WriteLine("Total Price : " + totalcost);
            Console.ReadKey();
        }
    }
}
```
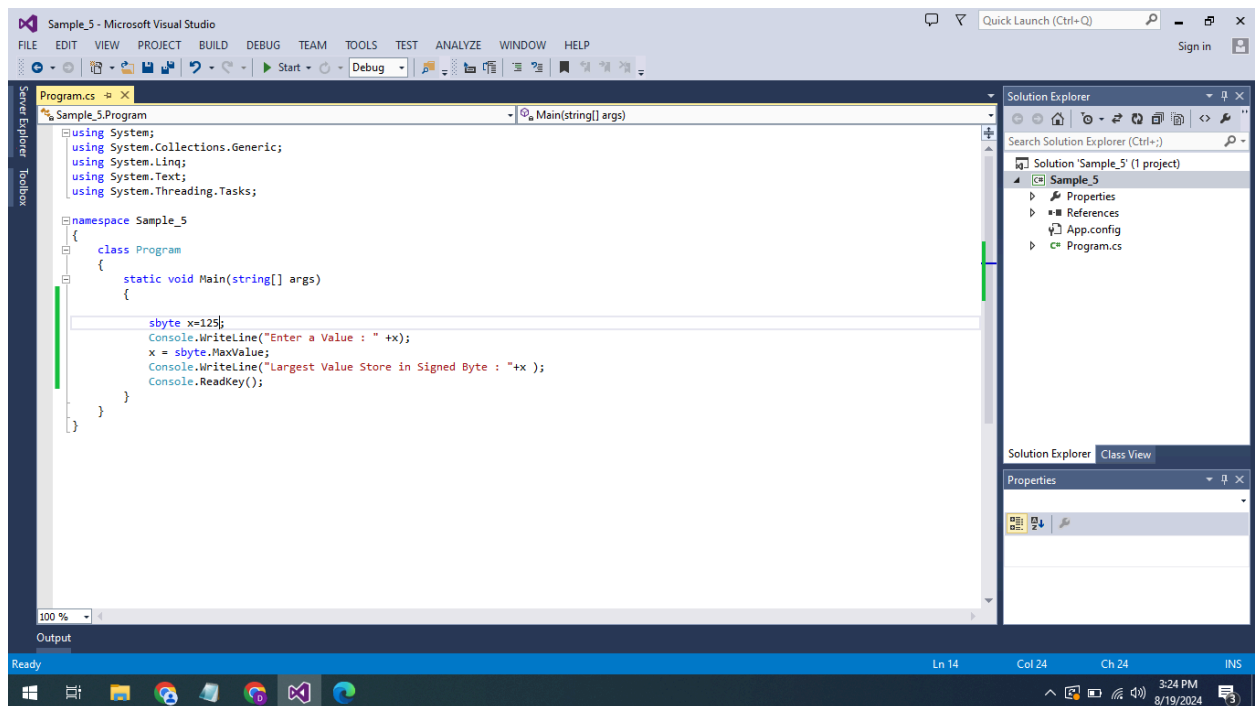
Output


```
Enter the No.of Pizza's bought :
5
Enter the No.of Puff's bought :
6
Enter the No.of Pepsi's bought :
2
Cost of Pizzas : 1000
Cost of Puffs : 240
Cost of Pepsi : 240
GST 12% : 177.6
CESS 5% : 740
Total Price : 1480
```

5)

Code:

Output: