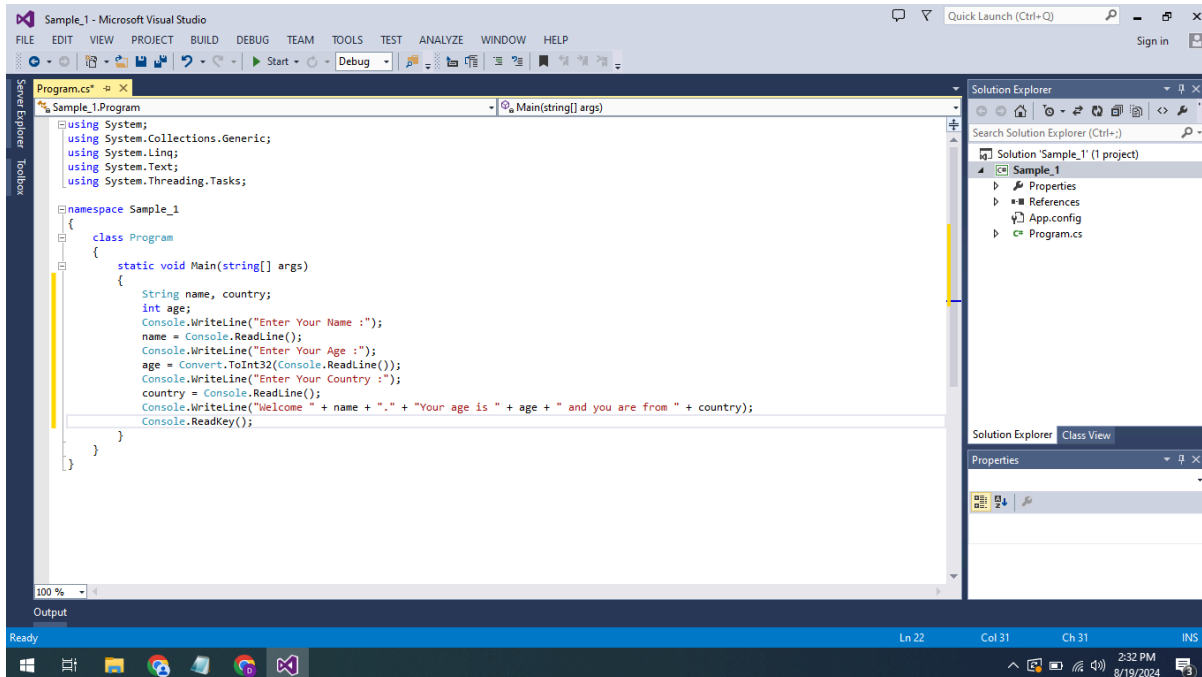


Day 1

Name : DHANAPAL

Date : 19/08/2024

1) Code :

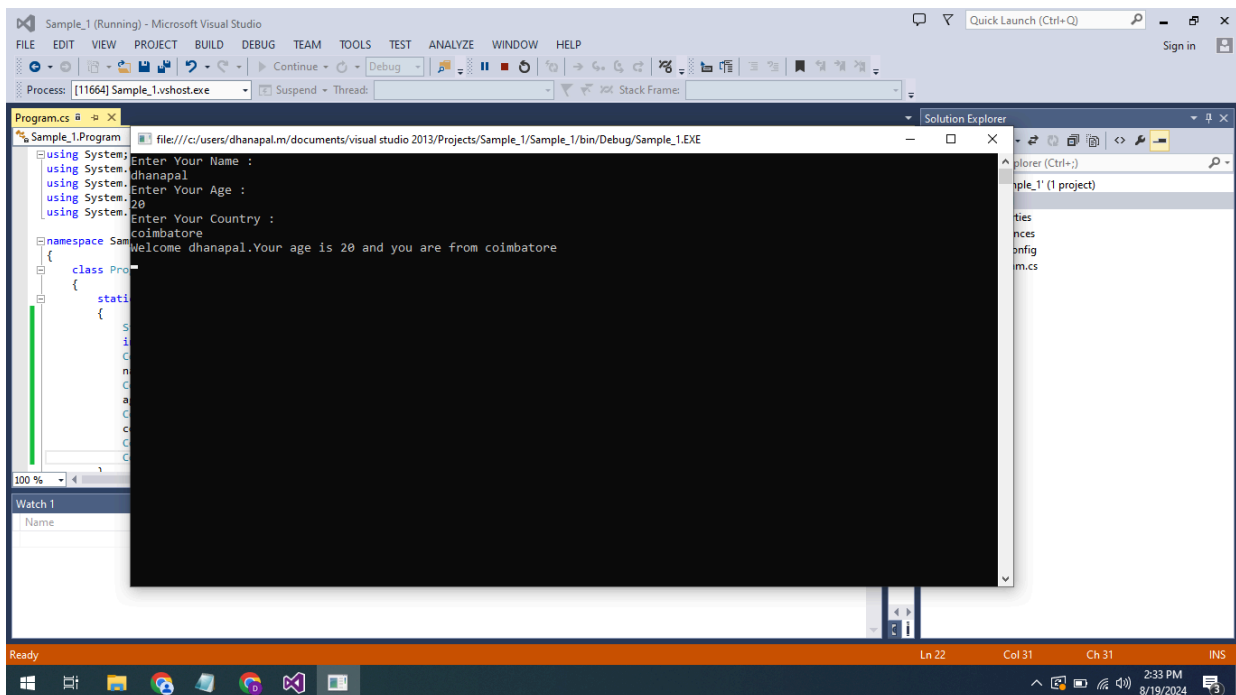


The screenshot shows the Microsoft Visual Studio IDE with a project named 'Sample_1'. The main window displays the source code for 'Program.cs'. The code defines a namespace 'Sample_1' containing a class 'Program' with a static method 'Main'. The 'Main' method prompts the user for their name, age, and country, reads the input, and then prints a formatted string with the entered values. The Solution Explorer on the right shows the project structure with 'Sample_1' as the root, containing 'Properties', 'References', 'App.config', and 'Program.cs'. The status bar at the bottom indicates 'Ready', 'Ln 22', 'Col 31', 'Ch 31', and 'INS'.

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

namespace Sample_1
{
    class Program
    {
        static void Main(string[] args)
        {
            String name, country;
            int age;
            Console.WriteLine("Enter Your Name :");
            name = Console.ReadLine();
            Console.WriteLine("Enter Your Age :");
            age = Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter Your Country :");
            country = Console.ReadLine();
            Console.WriteLine("Welcome " + name + " and your age is " + age + " and you are from " + country);
            Console.ReadKey();
        }
    }
}
```

Output :



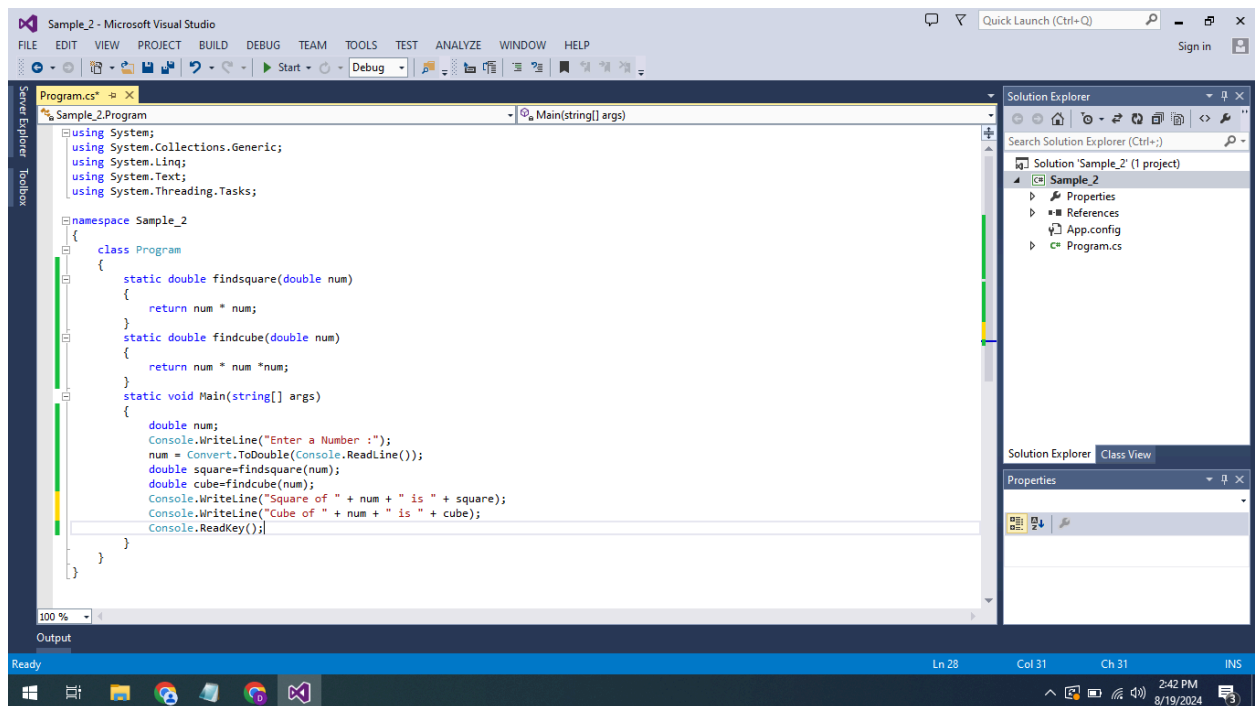
The screenshot shows the Microsoft Visual Studio IDE with the 'Sample_1' project running. The main window displays the output of the program, which prompts the user for their name, age, and country, and then prints a formatted string with the entered values. The output is as follows:

```
Enter Your Name :
dhanapal
Enter Your Age :
20
Enter Your Country :
coimbatore
Welcome dhanapal. Your age is 20 and you are from coimbatore
```

The Solution Explorer on the right shows the project structure with 'Sample_1' as the root, containing 'Properties', 'References', 'App.config', and 'Program.cs'. The status bar at the bottom indicates 'Ready', 'Ln 22', 'Col 31', 'Ch 31', and 'INS'.

2)

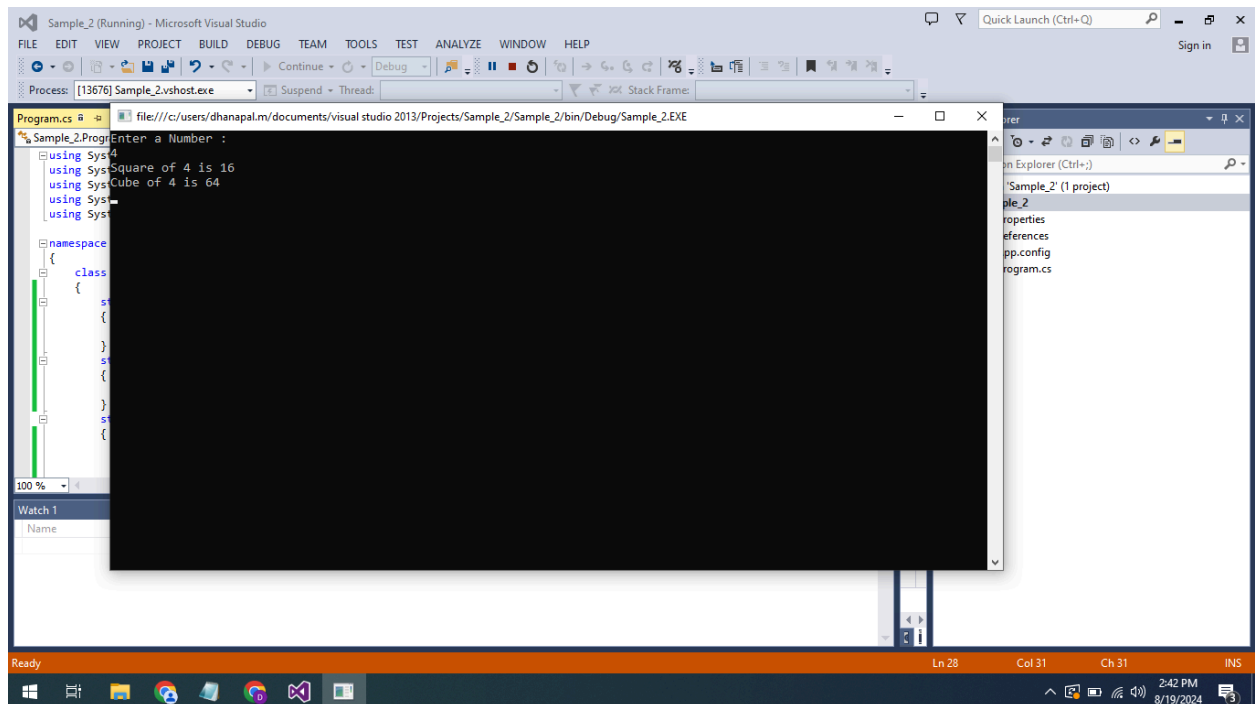
Code:



```
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:

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

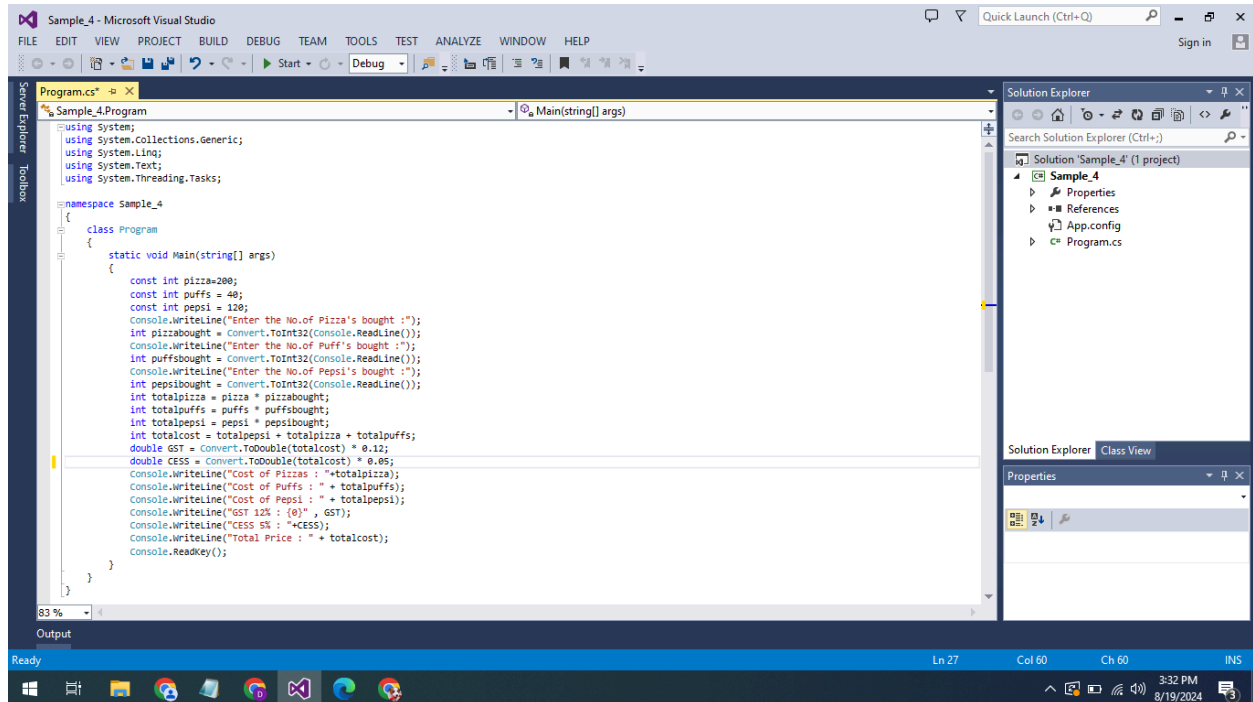
namespace Sample_3
{
    class Program
    {
        static void Main(string[] args)
        {
            int x, y;
            bool check;
            Console.WriteLine("Enter the value for X :");
            x=Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter the value for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

4)

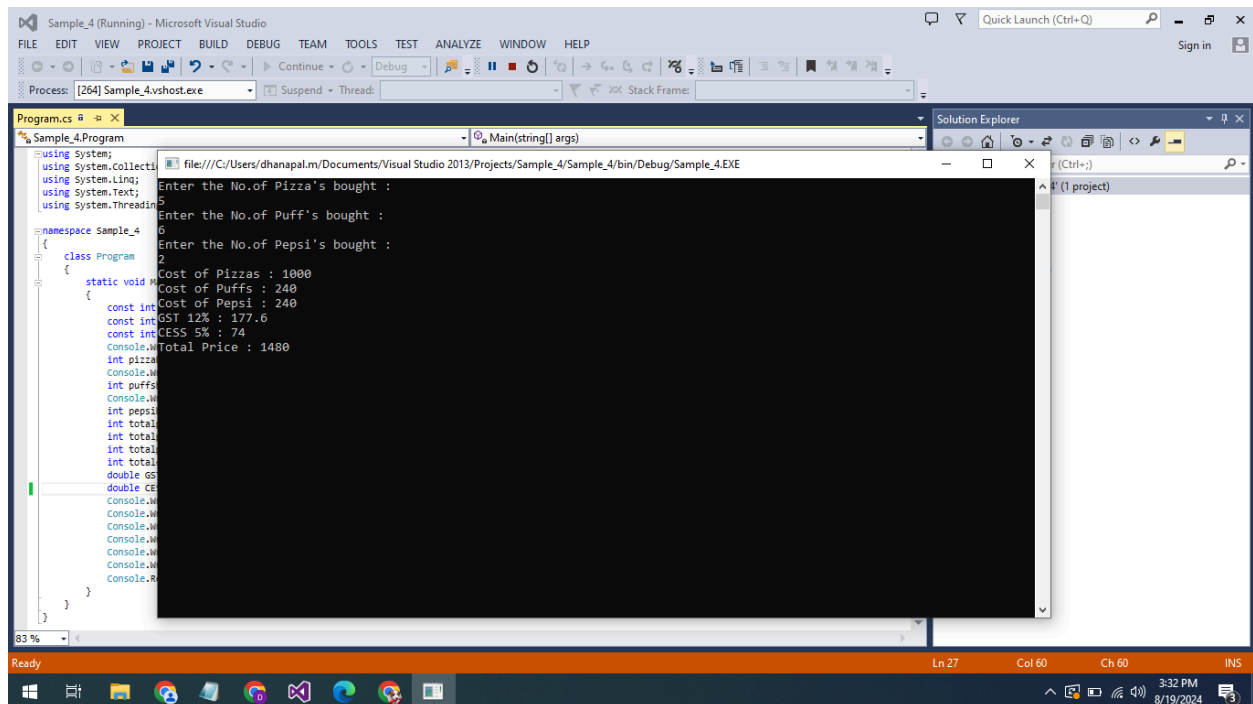
Code:



```
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 puffsought = 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 * puffsought;
            int totalpepsi = pepsi * pepsibought;
            int totalcost = totalpepsi + totalpizza + totalpuffs;
            double GST = Convert.ToDouble(totalcost) * 0.12;
            double CESS = Convert.ToDouble(totalcost) * 0.05;
            Console.WriteLine("Cost of Pizzas : "+totalpizza);
            Console.WriteLine("Cost of Puffs : " + totalpuffs);
            Console.WriteLine("Cost of Pepsi : " + totalpepsi);
            Console.WriteLine("GST 12% : {0}", GST);
            Console.WriteLine("CESS 5% : "+CESS);
            Console.WriteLine("Total Price : " + totalcost);
            Console.ReadKey();
        }
    }
}
```

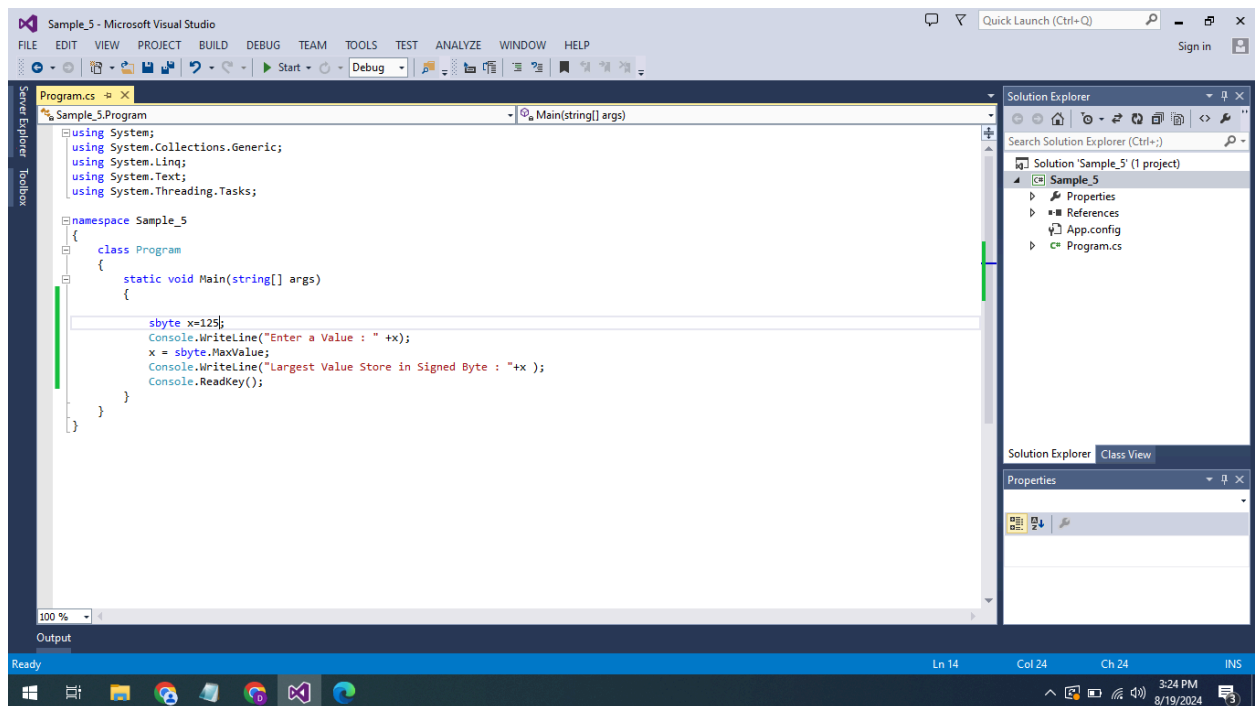
Output



```
Enter the No. of Pizza's bought : 2
Enter the No. of Puff's bought : 2
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% : 74
Total Price : 1480
```

5)

Code:



Output:

