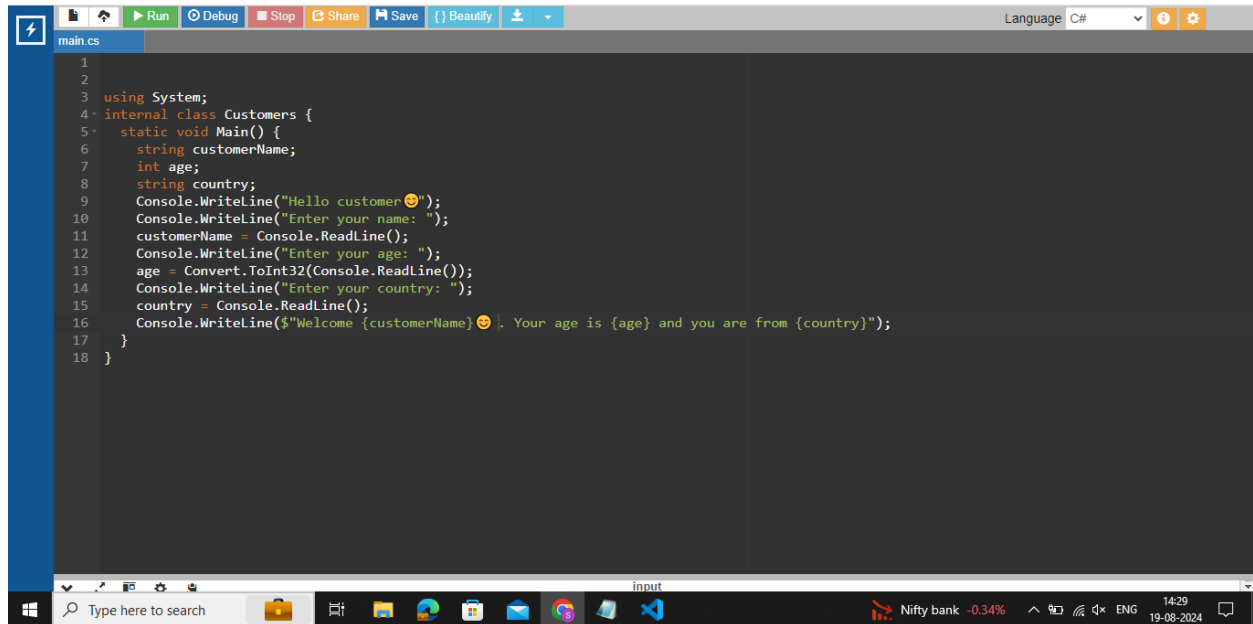


Name: Sownthari R P

Date: 19.08.2024

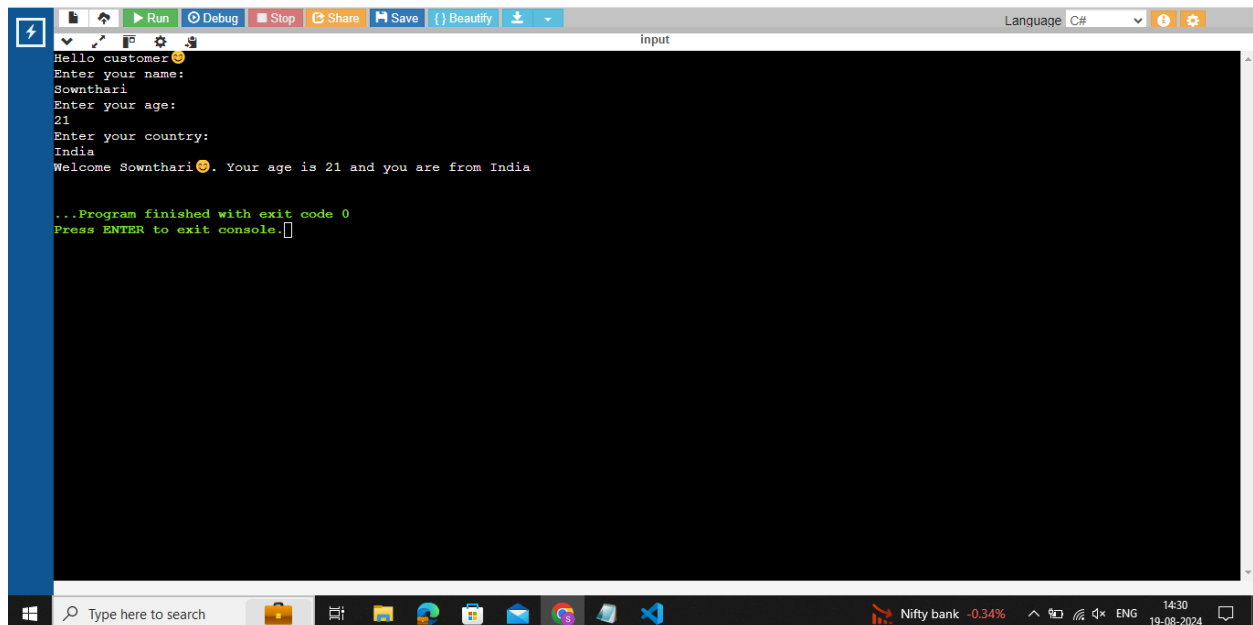
## 1. Registration Form

### Program:



```
1
2
3 using System;
4 internal class Customers {
5     static void Main() {
6         string customerName;
7         int age;
8         string country;
9         Console.WriteLine("Hello customer😊");
10        Console.WriteLine("Enter your name: ");
11        customerName = Console.ReadLine();
12        Console.WriteLine("Enter your age: ");
13        age = Convert.ToInt32(Console.ReadLine());
14        Console.WriteLine("Enter your country: ");
15        country = Console.ReadLine();
16        Console.WriteLine($"Welcome {customerName}😊. Your age is {age} and you are from {country}");
17    }
18 }
```

### Output:

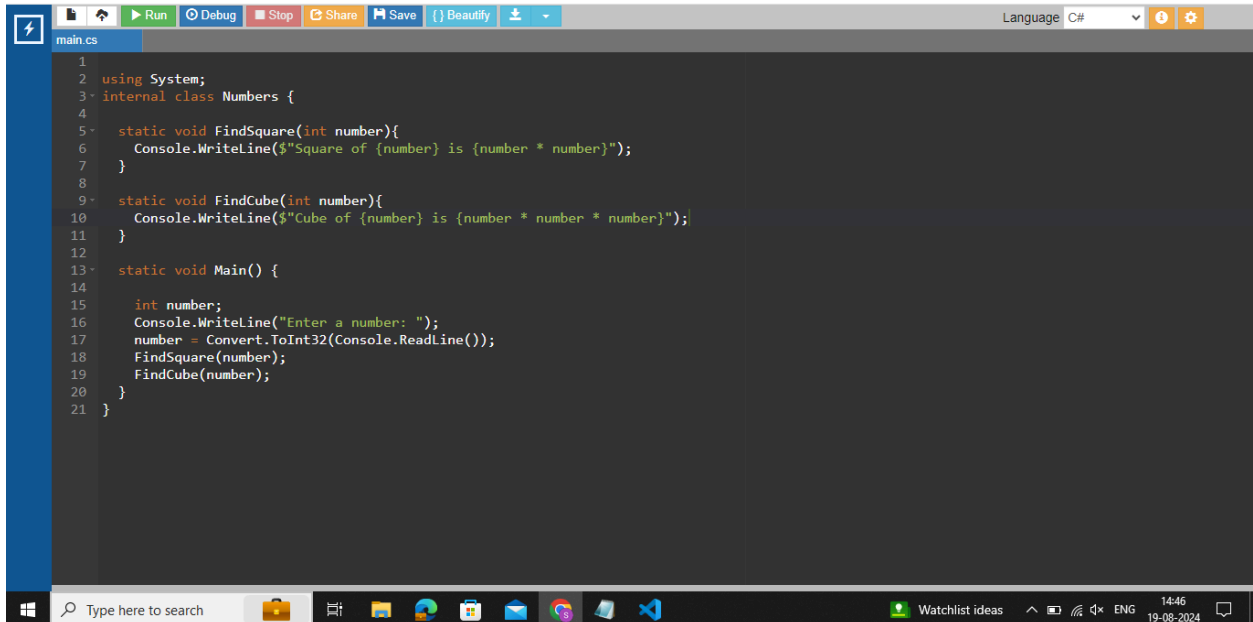


```
input
Hello customer😊
Enter your name:
Sownthari
Enter your age:
21
Enter your country:
India
Welcome Sownthari😊. Your age is 21 and you are from India

...Program finished with exit code 0
Press ENTER to exit console.
```

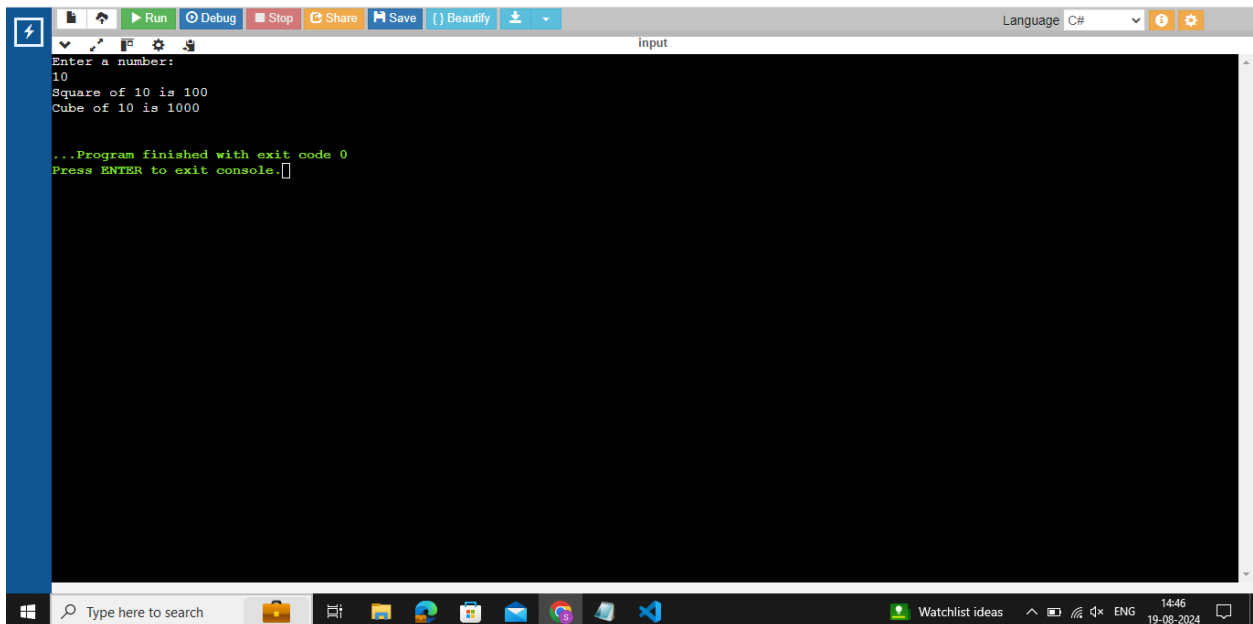
## 2. Find square and cube

Program:



```
1
2 using System;
3 internal class Numbers {
4
5     static void FindSquare(int number){
6         Console.WriteLine($"Square of {number} is {number * number}");
7     }
8
9     static void FindCube(int number){
10        Console.WriteLine($"Cube of {number} is {number * number * number}");
11    }
12
13    static void Main() {
14
15        int number;
16        Console.WriteLine("Enter a number: ");
17        number = Convert.ToInt32(Console.ReadLine());
18        FindSquare(number);
19        FindCube(number);
20    }
21 }
```

Output:

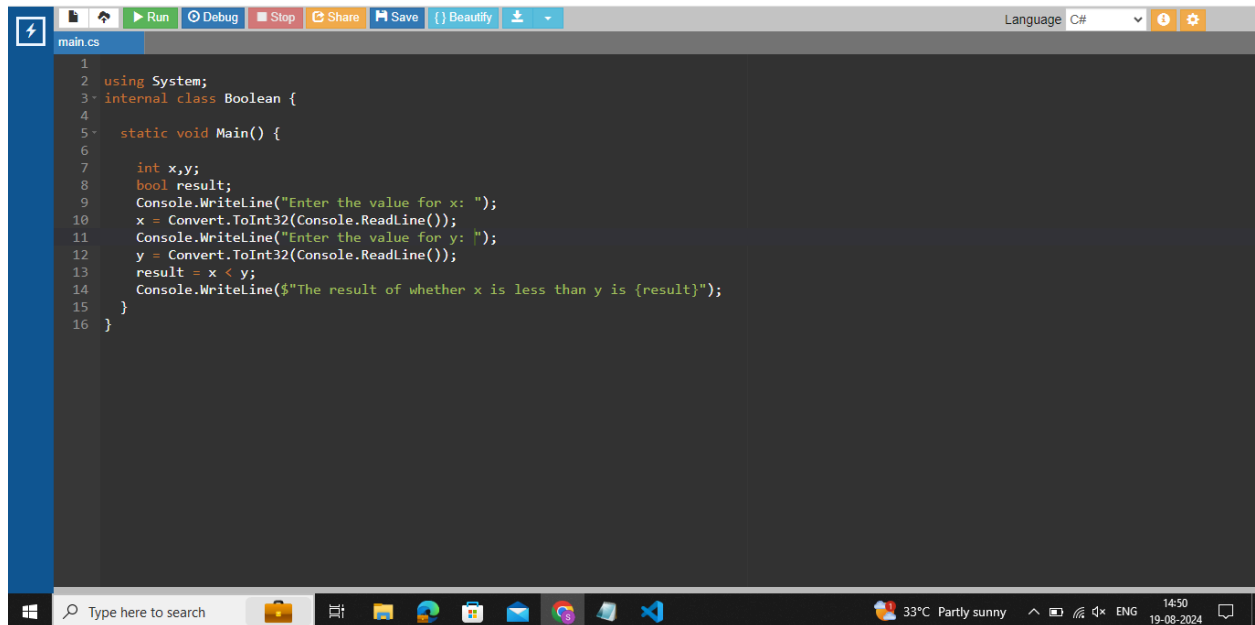


```
input
Enter a number:
10
Square of 10 is 100
Cube of 10 is 1000

...Program finished with exit code 0
Press ENTER to exit console.
```

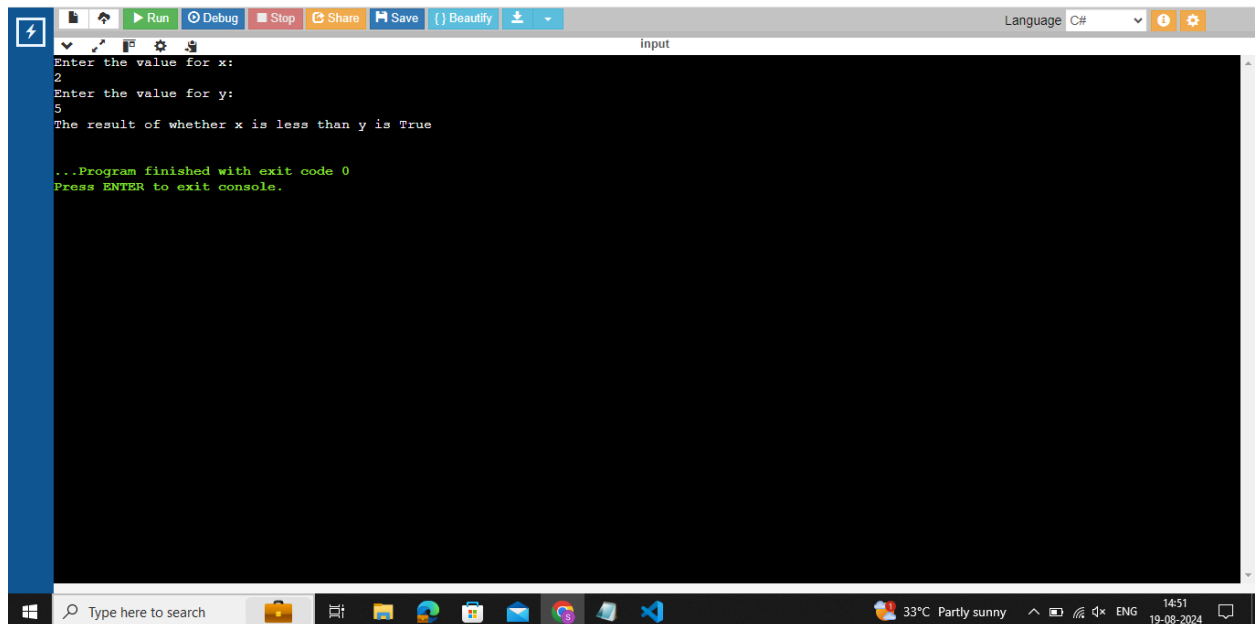
### 3.Boolean Result

#### Program:



```
1
2 using System;
3 internal class Boolean {
4
5     static void Main() {
6
7         int x,y;
8         bool result;
9         Console.WriteLine("Enter the value for x: ");
10        x = Convert.ToInt32(Console.ReadLine());
11        Console.WriteLine("Enter the value for y: ");
12        y = Convert.ToInt32(Console.ReadLine());
13        result = x < y;
14        Console.WriteLine($"The result of whether x is less than y is {result}");
15    }
16 }
```

#### Output:

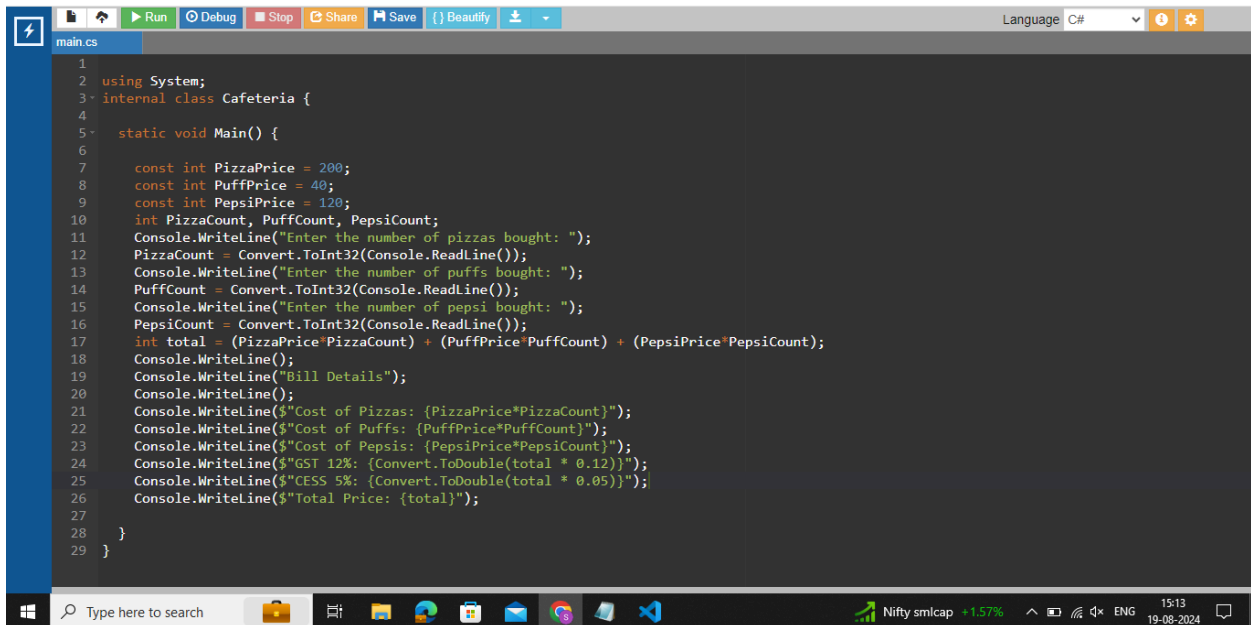


```
input
Enter the value for x:
2
Enter the value for y:
5
The result of whether x is less than y is True

...Program finished with exit code 0
Press ENTER to exit console.
```

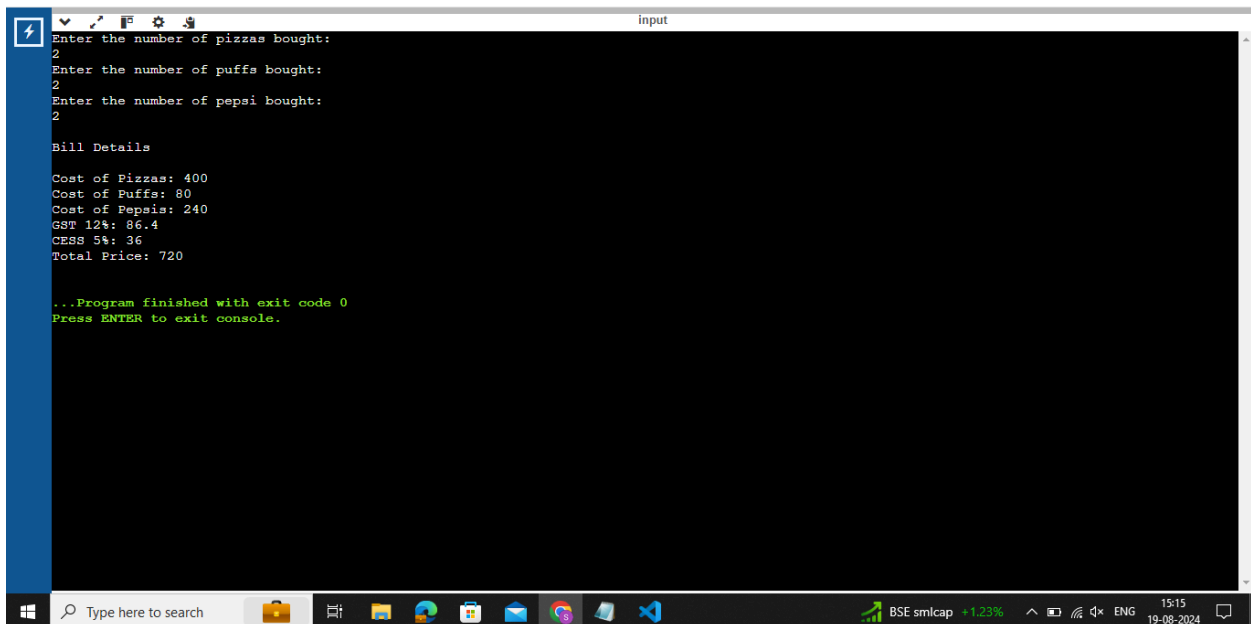
## 4. Generate Bill Details

### Program:



```
1
2 using System;
3 internal class Cafeteria {
4
5     static void Main() {
6
7         const int PizzaPrice = 200;
8         const int PuffPrice = 40;
9         const int PepsiPrice = 120;
10        int PizzaCount, PuffCount, PepsiCount;
11        Console.WriteLine("Enter the number of pizzas bought: ");
12        PizzaCount = Convert.ToInt32(Console.ReadLine());
13        Console.WriteLine("Enter the number of puffs bought: ");
14        PuffCount = Convert.ToInt32(Console.ReadLine());
15        Console.WriteLine("Enter the number of pepsi bought: ");
16        PepsiCount = Convert.ToInt32(Console.ReadLine());
17        int total = (PizzaPrice * PizzaCount) + (PuffPrice * PuffCount) + (PepsiPrice * PepsiCount);
18        Console.WriteLine();
19        Console.WriteLine("Bill Details");
20        Console.WriteLine();
21        Console.WriteLine($"Cost of Pizzas: {PizzaPrice * PizzaCount}");
22        Console.WriteLine($"Cost of Puffs: {PuffPrice * PuffCount}");
23        Console.WriteLine($"Cost of Pepsis: {PepsiPrice * PepsiCount}");
24        Console.WriteLine($"GST 12%: {Convert.ToDouble(total * 0.12)}");
25        Console.WriteLine($"CESS 5%: {Convert.ToDouble(total * 0.05)}");
26        Console.WriteLine($"Total Price: {total}");
27
28    }
29 }
```

### Output:



```
input
Enter the number of pizzas bought:
2
Enter the number of puffs bought:
2
Enter the number of pepsi bought:
2

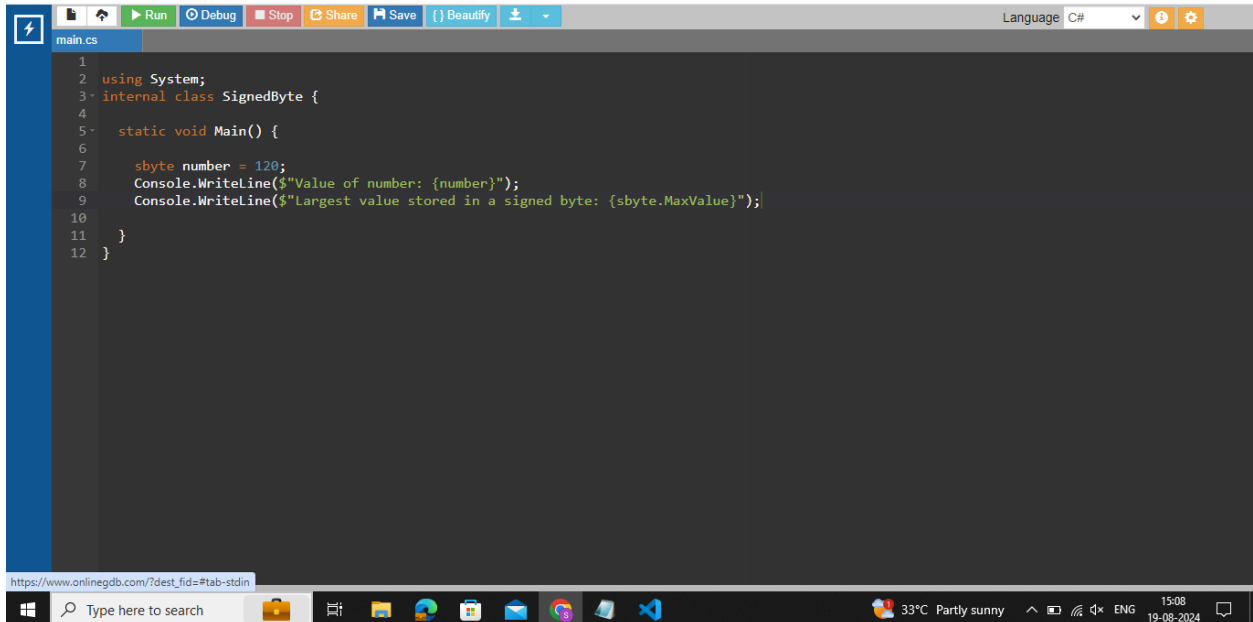
Bill Details

Cost of Pizzas: 400
Cost of Puffs: 80
Cost of Pepsis: 240
GST 12%: 86.4
CESS 5%: 36
Total Price: 720

...Program finished with exit code 0
Press ENTER to exit console.
```

## 5. Max Value of Signed Byte

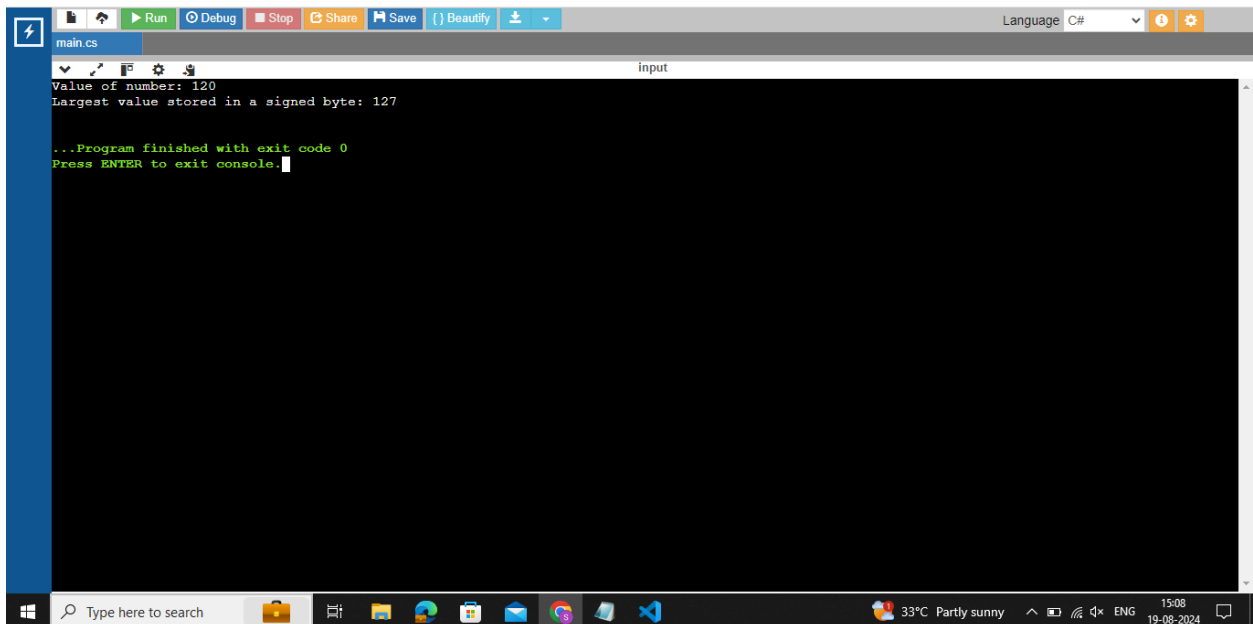
Program:



```
1 using System;
2
3 internal class SignedByte {
4
5     static void Main() {
6
7         sbyte number = 120;
8         Console.WriteLine($"Value of number: {number}");
9         Console.WriteLine($"Largest value stored in a signed byte: {sbyte.MaxValue}");
10    }
11 }
12 }
```

The screenshot shows a C# program in an IDE. The code defines an internal class `SignedByte` with a static `Main` method. Inside `Main`, a variable `number` of type `sbyte` is initialized to 120. Two lines of code use `Console.WriteLine` to output the value of `number` and the maximum value of a signed byte (`sbyte.MaxValue`).

Output:



```
Value of number: 120
Largest value stored in a signed byte: 127

...Program finished with exit code 0
Press ENTER to exit console.
```

The screenshot shows the output of the program in a console window. The output consists of two lines: "Value of number: 120" and "Largest value stored in a signed byte: 127". Below the output, a message indicates that the program finished with exit code 0 and prompts the user to press ENTER to exit the console.