

DATE : 19.08.2024

C# Assignment

1.Registration Form

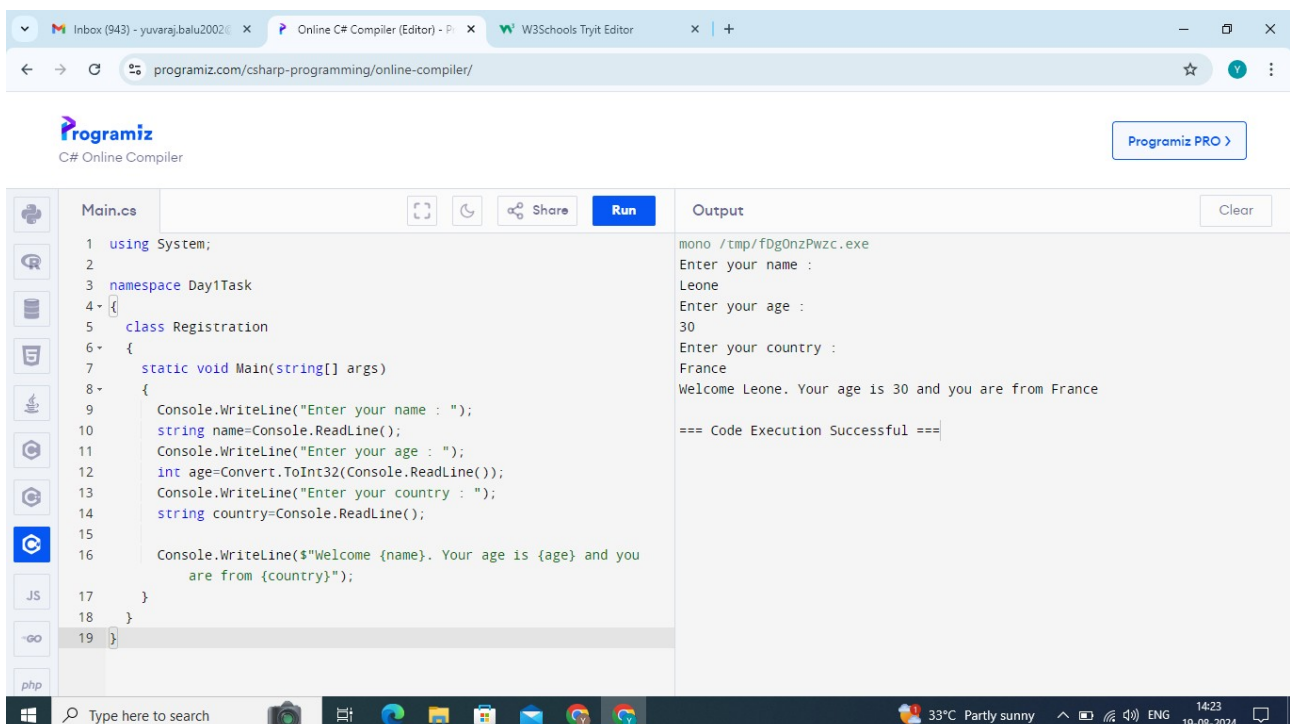
CODE:

```
using System;

namespace Day1Task
{
    class Registration
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter your name : ");
            string name=Console.ReadLine();
            Console.WriteLine("Enter your age : ");
            int age=Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter your country : ");
            string country=Console.ReadLine();

            Console.WriteLine($"Welcome {name}. Your age is {age} and you are from {country}");
        }
    }
}
```

OUTPUT:



The screenshot shows a web browser window with the URL `programiz.com/csharp-programming/online-compiler/`. The page features the Programiz logo and a "Programiz PRO" button. The main content area is divided into two panels: "Main.cs" on the left and "Output" on the right. The "Main.cs" panel displays the C# code for a registration form, which prompts the user for their name, age, and country, and then displays a welcome message. The "Output" panel shows the execution results, which match the code's output: "Enter your name : Leone", "Enter your age : 30", "Enter your country : France", and "Welcome Leone. Your age is 30 and you are from France". Below the code and output, there is a status bar indicating "=== Code Execution Successful ===". The browser's address bar and the operating system's taskbar are also visible.

```
1 using System;
2
3 namespace Day1Task
4 {
5     class Registration
6     {
7         static void Main(string[] args)
8         {
9             Console.WriteLine("Enter your name : ");
10            string name=Console.ReadLine();
11            Console.WriteLine("Enter your age : ");
12            int age=Convert.ToInt32(Console.ReadLine());
13            Console.WriteLine("Enter your country : ");
14            string country=Console.ReadLine();
15
16            Console.WriteLine($"Welcome {name}. Your age is {age} and you
17            are from {country}");
18        }
19    }
```

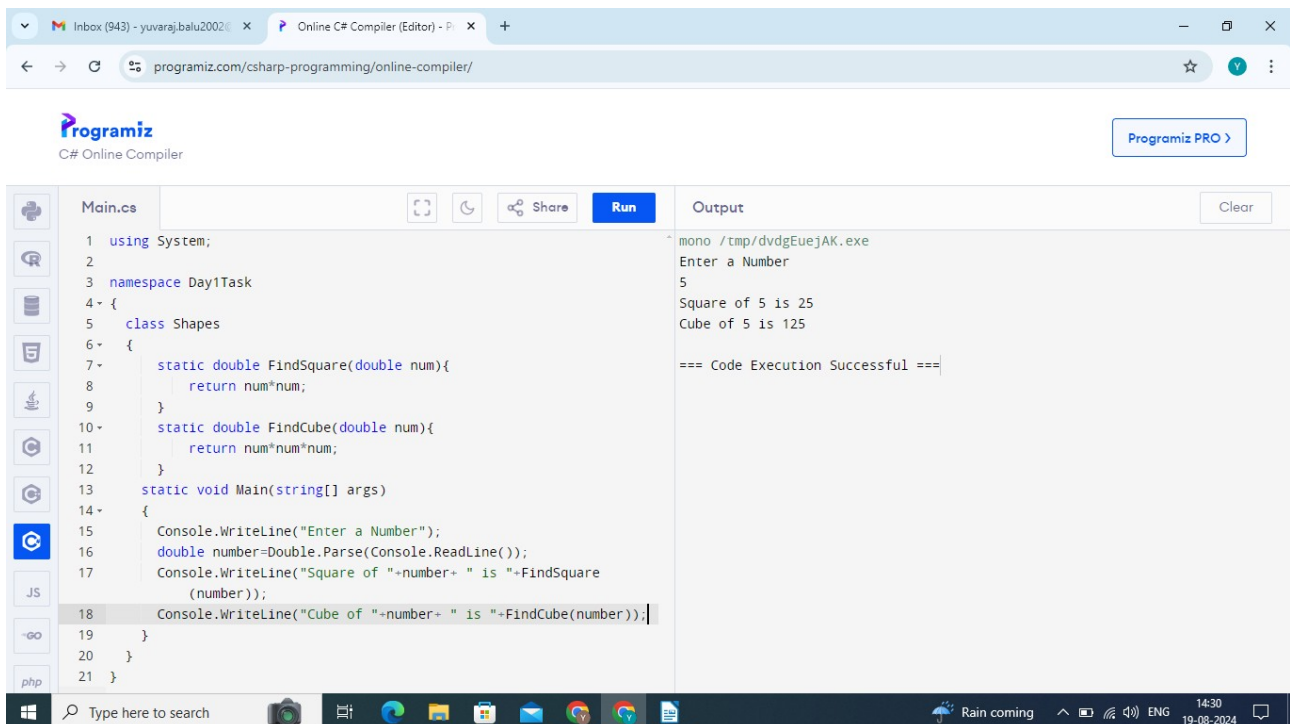
mono /tmp/fDg0nzPwzc.exe
Enter your name :
Leone
Enter your age :
30
Enter your country :
France
Welcome Leone. Your age is 30 and you are from France
=== Code Execution Successful ===

2.Find Square and Cube

CODE:

```
using System;
namespace Day1Task
{
    class Shapes
    {
        static double FindSquare(double num){
            return num*num;
        }
        static double FindCube(double num){
            return num*num*num;
        }
        static void Main(string[] args)
        {
            Console.WriteLine("Enter a Number");
            double number=Double.Parse(Console.ReadLine());
            Console.WriteLine("Square of "+number+" is "+FindSquare(number));
            Console.WriteLine("Cube of "+number+" is "+FindCube(number));
        }
    }
}
```

OUTPUT:



The screenshot displays the Programiz C# Online Compiler interface. The left sidebar contains icons for various programming languages, with C# selected. The main editor area shows the C# code for finding the square and cube of a number. The 'Run' button is highlighted. The 'Output' panel on the right shows the execution results: 'Enter a Number', '5', 'Square of 5 is 25', and 'Cube of 5 is 125'. Below the output, it states '=== Code Execution Successful ==='. The browser's address bar shows the URL 'programiz.com/csharp-programming/online-compiler/'.

```
1 using System;
2
3 namespace Day1Task
4 {
5     class Shapes
6     {
7         static double FindSquare(double num){
8             return num*num;
9         }
10        static double FindCube(double num){
11            return num*num*num;
12        }
13        static void Main(string[] args)
14        {
15            Console.WriteLine("Enter a Number");
16            double number=Double.Parse(Console.ReadLine());
17            Console.WriteLine("Square of "+number+" is "+FindSquare
18                (number));
19            Console.WriteLine("Cube of "+number+" is "+FindCube(number));
20        }
21    }
22 }
```

mono /tmp/dvdbgEuejAK.exe
Enter a Number
5
Square of 5 is 25
Cube of 5 is 125

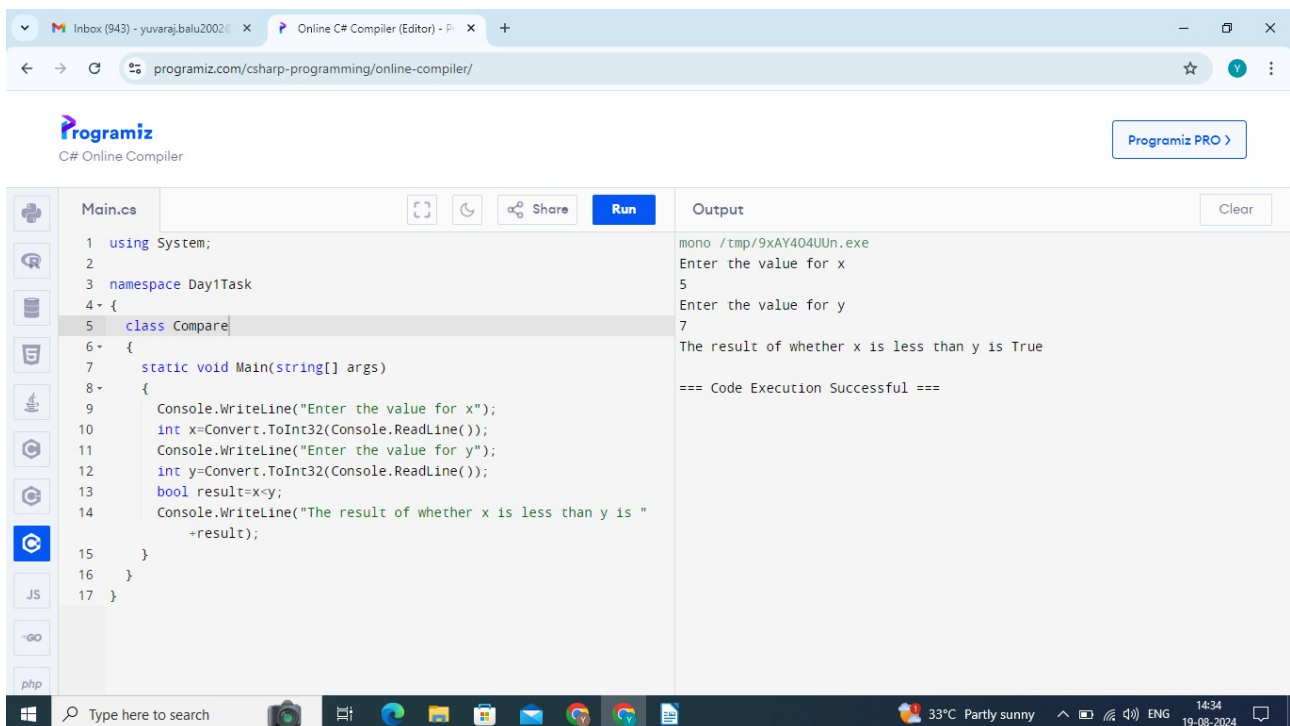
=== Code Execution Successful ===

3.BooleanResult

CODE:

```
using System;
namespace Day1Task
{
    class Compare
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter the value for x");
            int x=Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter the value for y");
            int y=Convert.ToInt32(Console.ReadLine());
            bool result=x<y;
            Console.WriteLine("The result of whether x is less than y is "+result);
        }
    }
}
```

OUTPUT:



The screenshot displays the Programiz C# Online Compiler interface. The code editor on the left contains the C# code for the 'Compare' class. The output window on the right shows the execution results, including the prompts for input, the entered values (5 and 7), and the final output message: 'The result of whether x is less than y is True'. The compiler also indicates 'Code Execution Successful'.

```
1 using System;
2
3 namespace Day1Task
4 {
5     class Compare
6     {
7         static void Main(string[] args)
8         {
9             Console.WriteLine("Enter the value for x");
10            int x=Convert.ToInt32(Console.ReadLine());
11            Console.WriteLine("Enter the value for y");
12            int y=Convert.ToInt32(Console.ReadLine());
13            bool result=x<y;
14            Console.WriteLine("The result of whether x is less than y is "
15                               +result);
16        }
17    }
```

Output

```
mono /tmp/9xAY404UUn.exe
Enter the value for x
5
Enter the value for y
7
The result of whether x is less than y is True

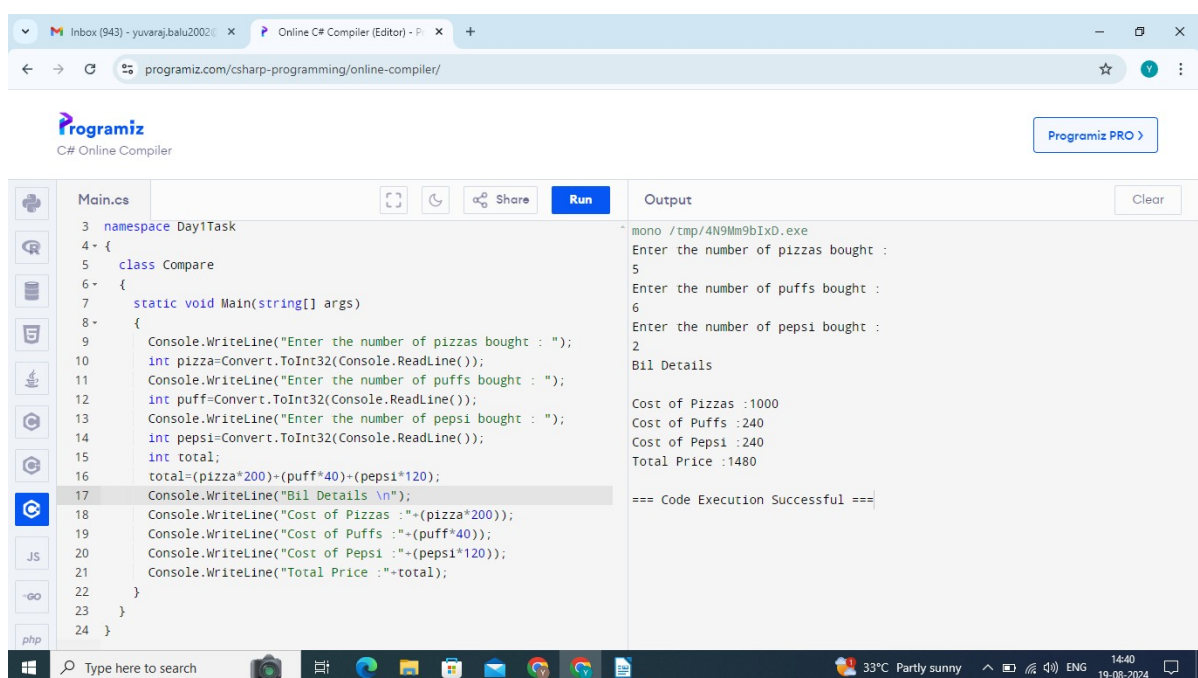
=== Code Execution Successful ===
```

4.Generate Bill Details

CODE:

```
using System;
namespace Day1Task
{
    class GenerateBill
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Enter the number of pizzas bought : ");
            int pizza=Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter the number of puffs bought : ");
            int puff=Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter the number of pepsi bought : ");
            int pepsi=Convert.ToInt32(Console.ReadLine());
            int total;
            total=(pizza*200)+(puff*40)+(pepsi*120);
            Console.WriteLine("Bil Details \n");
            Console.WriteLine("Cost of Pizzas :"+(pizza*200));
            Console.WriteLine("Cost of Puffs :"+(puff*40));
            Console.WriteLine("Cost of Pepsi :"+(pepsi*120));
            Console.WriteLine("Total Price :"+total);
        }
    }
}
```

OUTPUT:



The screenshot shows a web browser window with the URL `programiz.com/csharp-programming/online-compiler/`. The page features the Programiz logo and a "Programiz PRO" button. The main content area displays a C# code editor with a file named `Main.cs`. The code is as follows:

```
3 namespace Day1Task
4 {
5     class Compare
6     {
7         static void Main(string[] args)
8         {
9             Console.WriteLine("Enter the number of pizzas bought : ");
10            int pizza=Convert.ToInt32(Console.ReadLine());
11            Console.WriteLine("Enter the number of puffs bought : ");
12            int puff=Convert.ToInt32(Console.ReadLine());
13            Console.WriteLine("Enter the number of pepsi bought : ");
14            int pepsi=Convert.ToInt32(Console.ReadLine());
15            int total;
16            total=(pizza*200)+(puff*40)+(pepsi*120);
17            Console.WriteLine("Bil Details \n");
18            Console.WriteLine("Cost of Pizzas :"+(pizza*200));
19            Console.WriteLine("Cost of Puffs :"+(puff*40));
20            Console.WriteLine("Cost of Pepsi :"+(pepsi*120));
21            Console.WriteLine("Total Price :"+total);
22        }
23    }
24 }
```

To the right of the code editor is the "Output" window, which shows the following text:

```
mono /tmp/4N9Mm9b1xD.exe
Enter the number of pizzas bought :
5
Enter the number of puffs bought :
6
Enter the number of pepsi bought :
2
Bil Details

Cost of Pizzas :1000
Cost of Puffs :240
Cost of Pepsi :240
Total Price :1480

=== Code Execution Successful ===
```

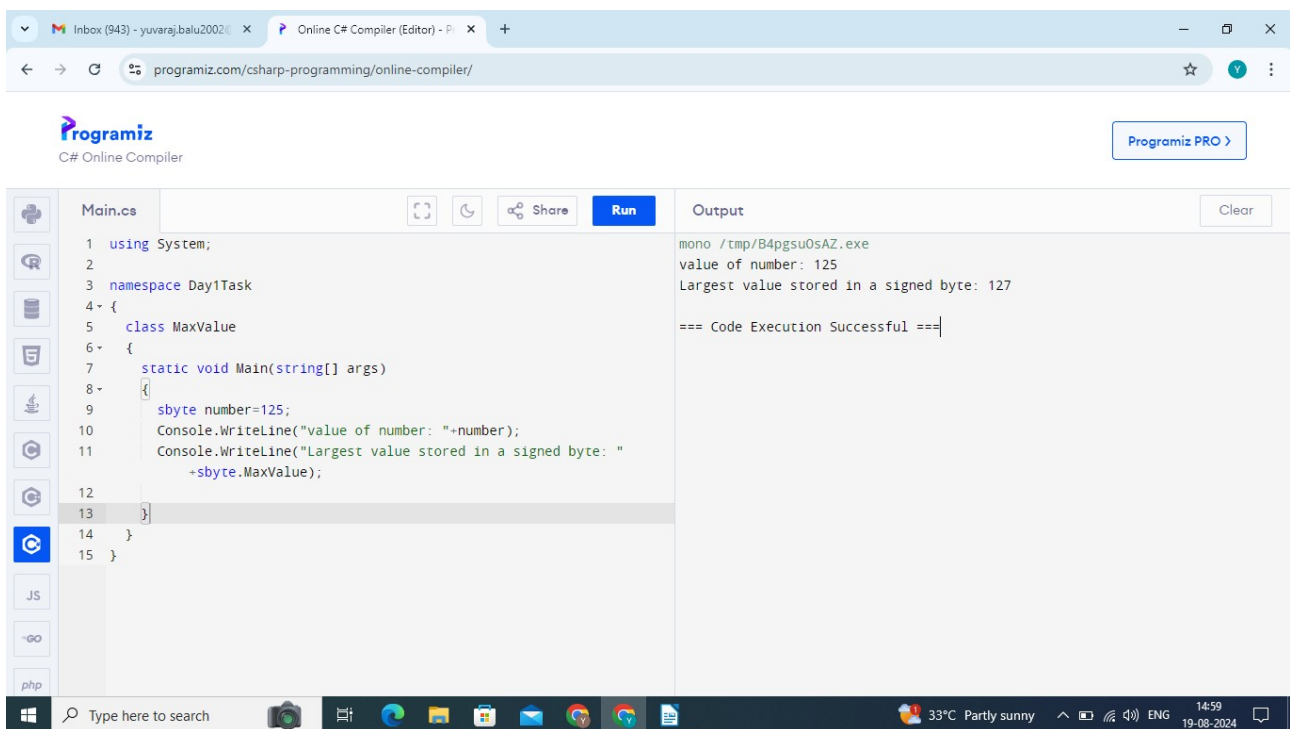
The bottom of the image shows a Windows taskbar with various icons and a system tray displaying the temperature as 33°C, weather as "Partly sunny", and the date and time as 14:40 on 19-08-2024.

5.MaxValueOfSignedByte

CODE:

```
using System;
namespace Day1Task
{
    class MaxValue
    {
        static void Main(string[] args)
        {
            sbyte number=125;
            Console.WriteLine("value of number: "+number);
            Console.WriteLine("Largest value stored in a signed byte: "+sbyte.MaxValue);
        }
    }
}
```

OUTPUT:



The screenshot shows a web browser window with the URL `programiz.com/csharp-programming/online-compiler/`. The page features the Programiz logo and a "Programiz PRO" button. The main area is divided into a code editor on the left and an output window on the right. The code editor contains the following C# code:

```
1 using System;
2
3 namespace Day1Task
4 {
5     class MaxValue
6     {
7         static void Main(string[] args)
8         {
9             sbyte number=125;
10            Console.WriteLine("value of number: "+number);
11            Console.WriteLine("Largest value stored in a signed byte: "
12                               +sbyte.MaxValue);
13        }
14    }
15 }
```

The output window displays the following text:

```
mono /tmp/B4pgsu0sAZ.exe
value of number: 125
Largest value stored in a signed byte: 127

=== Code Execution Successful ===
```

The bottom of the image shows a Windows taskbar with the search bar, task view button, and several open applications including Edge, File Explorer, and the online compiler. The system tray shows a temperature of 33°C, weather as "Partly sunny", and the date/time as 14:59 on 19-08-2024.