

# DAILY TASK

## C#

1.

### Registration Form

Mr.Thomas is developing a registration form using C#.

Customers will give his details. Get the details and display the same as registration details.

**Sample Input 1:**

Enter your name : Leone

Enter your age : 30

Enter your country : France

**Sample Output 1:**

Welcome Leone. Your age is 30 and you are from France

**OUTPUT:**

The screenshot shows a web browser window with the Programiz C# Online Compiler. The code in the editor is as follows:

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

The output window shows the following text:

```
mono /tmp/DU3jQ10Qlg.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

Write a C# Program to compute the square and Cube for a given number.

Create the following methods.

- Create a method **FindSquare** that returns the square of the given number.

FindSquare method should accept a single parameter of type double and return a double value

- Create a method **FindCube** that returns the cube of the given number.

FindCube method should accept a single parameter of type double and return a double value

From the main method prompt the user to enter a number and display the square and cube of the number.

The method signature should be as below

static <return type> <FunctionName> ( <data type> parameter)

Sample Input

Enter a Number

4

Sample Output

Square of 4 is 16

Cube of 4 is 64

OUTPUT:

The screenshot shows the Programiz C# Online Compiler interface. The code in the editor is as follows:

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

The output window shows the following results:

```
mono /tmp/tgJEjc30sV.exe
Enter a Number
4
Square of 4 is 16
Cube of 4 is 64
=== Code Execution Successful ===
```

3.

### BooleanResult

Write a C# program to compare two numbers and print which number is lesser than the other.

Declare two variables an int x and int y. Obtain the value from the user for x and y. Write a program which tests whether x is less than y, storing the boolean result of this test into a bool variable named result. Print your findings, out to the console as given the sample output.

Sample Input:

Enter the value for x

5

Enter the value for y

7

Sample Output:

The result of whether x is less than y is true

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 sections: "Main.cs" for code editing and "Output" for the program's results.

**Main.cs Code:**

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

**Output:**

```
mono /tmp/NXup5SxM6S.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 ===
```

The Windows taskbar at the bottom shows the system clock as 14:34 on 19-08-2024, with a temperature of 33°C.

4.

### Generate Bill Details

Django multiplex is developing application for its cafeteria. The application should be able to calculate the bill details for the following scenario. You bought pizzas, puffs and cool drinks. Consider the following prices :

Rs.200/pizza

Rs.40/puffs

Rs.120/pepsi

Generate a bill.

The bill details must include the total cost of pizzas, total cost of puffs and total cost of pepsis. Calculate the grand total and display.

Display the GST and CESS amount. GST is 12% and CESS is 5% of the total price.

Sample input 1:

Enter the number of pizzas bought : 5

Enter the number of puffs bought : 6

Enter the number of pepsi bought : 2

Sample Output 1:

Bill Details

Cost of Pizzas :1000

Cost of Puffs :240

Cost of Pepsis :240

GST 12% : 177.6

### OUTPUT:

```
1 using System;
2 namespace Main{
3     internal class Program{
4         static void Main(string []args){
5             Console.WriteLine("Enter the number of pizzas bought : ");
6             int pizzas=Convert.ToInt32(Console.ReadLine());
7             Console.WriteLine("Enter the number of puffs bought : ");
8             int puffs=Convert.ToInt32(Console.ReadLine());
9             Console.WriteLine("Enter the number of pepsi bought : ");
10            int pepsi=Convert.ToInt32(Console.ReadLine());
11            Console.WriteLine("Bill Deatils");
12            int cost_of_pizza=pizzas*200;
13            int cost_of_puffs=puffs*40;
14            int cost_of_pepsi=pepsi*120;
15            Console.WriteLine($"Cost of Pizzas :{cost_of_pizza}\nCost of Puffs
16                                :{cost_of_puffs}\nCost of Pepsis :{cost_of_pepsi}");
17        }
18    }
19 }
```

Output

```
mono /tmp/91GJm1NdMn.exe
Enter the number of pizzas bought :
5
Enter the number of puffs bought :
6
Enter the number of pepsi bought :
2
Bill Deatils
Cost of Pizzas :1000
Cost of Puffs :240
Cost of Pepsis :240

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

5.

### MaxValueofSignedByte

Leo has just started to learn about data types. His first assignment is to find out the largest value that can be stored in a signed byte.

Write a program to declare a variable named 'number' of type signed byte, initialize it to 125 and display it.

Change the value of number to the maximum value of a signed byte and display it as shown in the sample output.

Sample output

Value of number: 125

Largest value stored in a signed byte: //print the answer.

### 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 sections: a code editor on the left and an output window on the right. The code editor contains a C# program named `Main.cs` with the following code:

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

The output window displays the following text:

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

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

The browser's taskbar at the bottom shows the system clock as 14:54 on 19-08-2024, along with various system icons and a search bar.