

C# tarea inicial

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1. Declarar variable de los diferentes tipos, asignarles valor e imprimir el valor.

```
Project1.cs X  MyProjectsc#.sln
Project1.cs
1  //Variables de los diferentes tipos
2
3  //int
4  int age = 23;
5  int birthday = 19;
6
7  Console.WriteLine("I am " + age + " years old" );
8  Console.WriteLine("My birthday's day is " + birthday + "th");
9
10 //double
11 double height = 5.6;
12 double weight = 126.10;
13
14 Console.WriteLine("My height is: " + height);
15 Console.WriteLine("My weight is: " + weight);
16
17 //decimal
18 decimal price = 199.99m;
19
20 Console.WriteLine("The price of rice is: " + price);
21
22 //float
23 float temperature = 38.5f;
24
25 Console.WriteLine("His temperature is: " + temperature);
26
27 //long
28 long people = 1850300;
29
30 Console.WriteLine("The number of people are: " + people);
31
```

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```
32 //bool
33 bool statement = true;
34
35 Console.WriteLine("The statement is: " + statement);
36
37 //string
38 string name = "Lisbel";
39
40 Console.WriteLine("My name is: " + name);
41
42
43 //char
44 char letter = 'H';
45
46 Console.WriteLine("The first letter of hug is: " + letter + "\n");
47
48
49 Console.ReadLine();
50
51
52
53 //Lisbel Martinez
54 //2024 - 1717
```

```
I am 23 years old
My birthday's day is 19th
My height is: 5.6
My weight is: 126.1
The price of rice is: 199.99
His temperature is: 38.5
The number of people are: 1850300
The statement is: True
My name is: Lisbel
The first letter of hug is: H
PS C:\Users\Martha\Documents\MyProjectsc#\myfirstproject>
```

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2. Buscar cómo se declara una constante en C# e imprimir el valor. Probar de cambiar su valor luego y ver que es lo que pasa.

```
Program.cs X
constante > Program.cs
1 //Constantes
2
3 const double PI = 3.1416;
4
5 Console.WriteLine("Initial value: " + PI);
6
7
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS NUGET

```
PS C:\Users\Martha\Documents\MyProjectsc#\constante> dotnet run
Initial value: 3.1416
PS C:\Users\Martha\Documents\MyProjectsc#\constante>
```

```
Program.cs X
constante > Program.cs
1 //Constantes
2
3 const double PI = 3.1416;
4
5 Console.WriteLine("Initial value: " + PI);
6
7 PI = 5;
8
9 Console.WriteLine("Final value: " + PI);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS NUGET

```
PS C:\Users\Martha\Documents\MyProjectsc#\constante> dotnet run
C:\Users\Martha\Documents\MyProjectsc#\constante\Program.cs(7,1): error CS0131: La parte izquierda de una asignación debe ser un
a variable, una propiedad o un indizador

No se pudo llevar a cabo la compilación. Corrija los errores de compilación y vuelva a ejecutar el proyecto.
PS C:\Users\Martha\Documents\MyProjectsc#\constante>
```

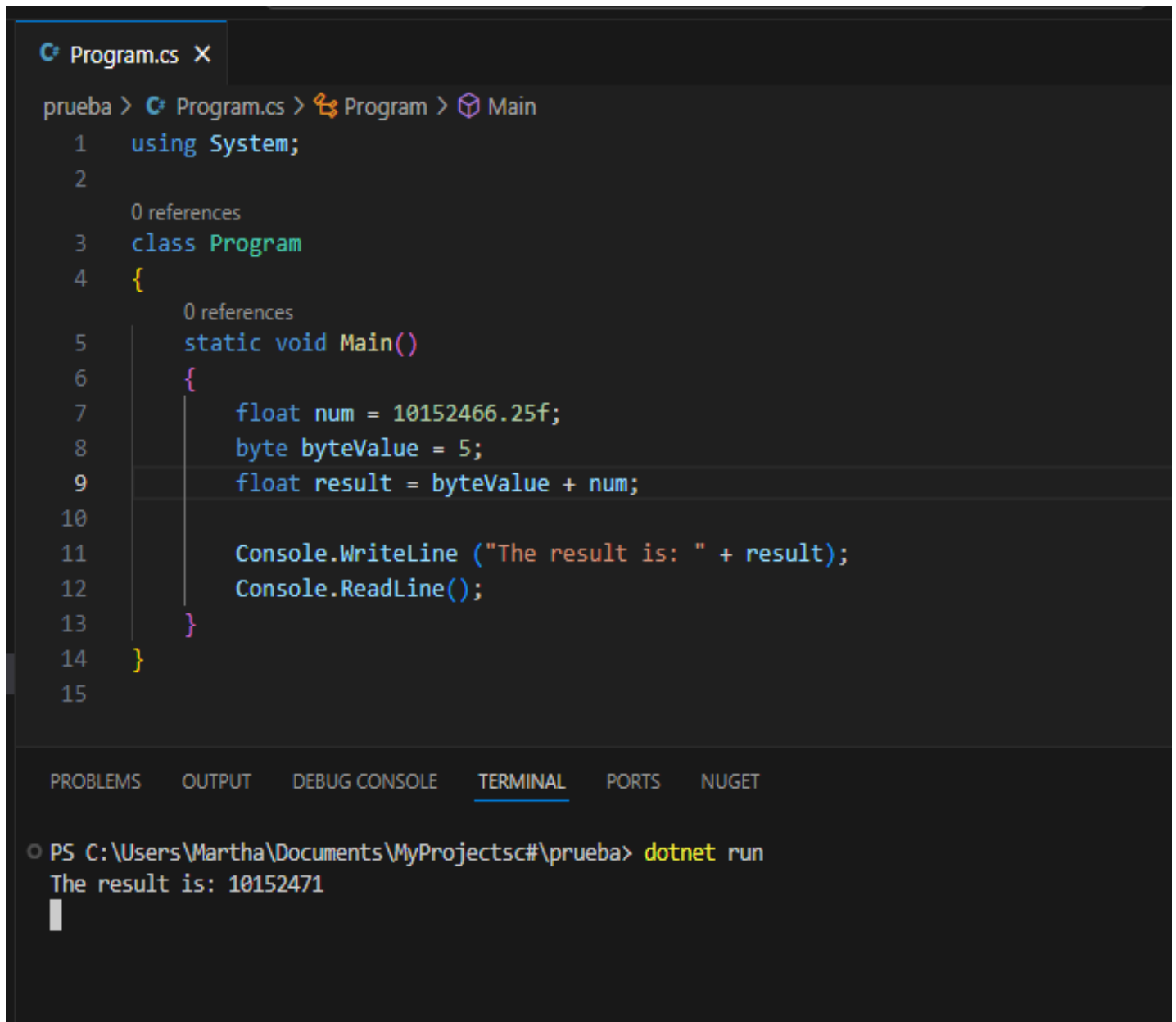
3. Declara un entero, incrementarlo, decrementarlo, hacer operaciones con el.

```
project2 > C# Program.cs
1  //Numero entero
2
3  int number = 15;
4
5  number ++;
6  number --;
7
8  int addition = number + 10;
9  int subtraction = number - 5;
10 int multiplication = number * 5;
11 int division = number / 3;
12
13     //Resultados
14     Console.WriteLine("Initial number: 15");
15     Console.WriteLine("After the increase: " + (number + 1));
16     Console.WriteLine("after the decrease: " + (number - 1));
17     Console.WriteLine("Adition (15 + 10): " + addition);
18     Console.WriteLine("subtraction (15 - 5): " + subtraction);
19     Console.WriteLine("Multiplicación (15 * 5): " + multiplication);
20     Console.WriteLine("División (15 / 3): " + division);
21
22
23 Console.ReadLine();
24
25 //Lisbel Martinez
```

```
● PS C:\Users\Martha\Documents\MyProjectsc#\project2\project2> dotnet run
Initial number: 15
After the increase: 16
after the decrease: 14
Adition (15 + 10): 25
subtraction (15 - 5): 10
Multiplicación (15 * 5): 75
División (15 / 3): 5
```

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4. Declarar un float con valor = 10152466.25. Declara un byte que es igual a 5 + el float.



The image shows a Visual Studio Code editor window with a C# file named `Program.cs`. The code defines a `Program` class with a `Main` method. Inside `Main`, a `float` variable `num` is initialized to `10152466.25f`, a `byte` variable `byteValue` is initialized to `5`, and a `float` variable `result` is calculated as `byteValue + num`. The program then prints the result to the console and waits for user input.

```
1  using System;
2
3  0 references
4  class Program
5  {
6      0 references
7      static void Main()
8      {
9          float num = 10152466.25f;
10         byte byteValue = 5;
11         float result = byteValue + num;
12
13         Console.WriteLine ("The result is: " + result);
14         Console.ReadLine();
15     }
16 }
```

The bottom of the image shows the `TERMINAL` tab, which displays the command `dotnet run` and the output `The result is: 10152471`.

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5. Adjuntar comentario de una y de varias líneas un su código.
Imprimir la fecha y hora del sistema.

Program.cs X

fecha_y_hora > Program.cs

```
1 // Usamos DateTime para declarar la variable que voy a adjuntarle tanto la fecha, como la hora
2 // Al mismo tiempo, utilizo el "DateTime.Now" ya que este trae la fecha y la hora actual que tiene el sistema
3 DateTime fecha = DateTime.Now;
4
5 // Aquí simplemente imprimimos la fecha y hora de mi variable "fecha" usando el Console.WriteLine
6 Console.WriteLine(fecha);
7
8
9
10 |
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS NUGET

- PS C:\Users\Martha\Documents\MyProjectsc#\fecha_y_hora> dotnet run
8/2/2025 8:02:14 p. m.
- PS C:\Users\Martha\Documents\MyProjectsc#\fecha y_hora>