

# C# tarea inicial

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

The screenshot shows the Visual Studio interface. On the left, the code editor displays 'Program.cs' with the following C# code:

```
1 int number = 5;
2 string text = "Hello World";
3 double decimalNumber = 10.5;
4 decimal preciseNumber = 20.99m;
5 bool isActive = true;
6 char letter = 'A';
7 long bigNumber = 1234567890L;
8 float floatNumber = 5.75f;
9
10 Console.WriteLine(number);
11 Console.WriteLine(text);
12 Console.WriteLine(decimalNumber);
13 Console.WriteLine(preciseNumber);
14 Console.WriteLine(isActive);
15 Console.WriteLine(letter);
16 Console.WriteLine(bigNumber);
17 Console.WriteLine(floatNumber);
```

On the right, the 'Microsoft Visual Studio Debug' window shows the output of the console application:

```
5
Hello World
10.5
20.99
True
A
1234567890
5.75
```

Below the output, the status bar indicates: C:\Users\valer\OneDrive\Escritorio\ProgramacionI\MyFirstProject\bin\Debug\MyFirstProject.exe has exited with code 0 (0x0). To automatically close the console when debugging stops. Press any key to close this window . . .

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.

Para declarar una constante en C#, se utiliza la palabra clave `const` antes del tipo de dato, seguida del nombre y el valor inicial. Las constantes deben inicializarse al

The screenshot shows the Visual Studio interface with an error in the code editor:

```
1 const int NUMBER = 3;
2
3 NUMBER = 5;
4
5
6 Console.WriteLine(NUMBER);
```

The line `NUMBER = 5;` is highlighted in red, indicating a syntax error. The status bar at the bottom shows 1 Error. The Error List pane shows one error:

Code	Description
CS0131	The left-hand side of an assignment must be a variable, property or indexer

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declararse, no pueden modificarse posteriormente y su valor se establece en tiempo de compilación

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

The screenshot shows the Microsoft Visual Studio interface. On the left, the code editor window titled "MyFirstProject" contains the following C# code:

```
1 var number = 2;
2
3 number++;
4 Console.WriteLine(number);
5 number--;
6 Console.WriteLine(number);
7
8 number += 5;
9 Console.WriteLine(number);
10 number -= 3;
11 Console.WriteLine(number);
12 number *= 4;
13 Console.WriteLine(number);
14 number /= 2;
15 Console.WriteLine(number);
```

On the right, the "Microsoft Visual Studio Debug" window displays the output of the program:

```
3
2
7
4
16
8
```

Below the output, the message "xited with code 0 (0x0)." is shown, followed by instructions: "To automatically close the console when debugging stops." and "Press any key to close this window . . .".

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

No es posible asignar el resultado de 5 + float a un byte porque el valor excede el rango permitido del tipo byte y además el resultado es un float. C# no permite esta conversión de forma implícita para evitar pérdida de datos.

The screenshot shows the Microsoft Visual Studio interface. On the left, the code editor window titled "MyFirstProject" contains the following C# code:

```
1 float number = 10152466.25f;
2 byte result = 5 + number;
3
4
5 Console.WriteLine(result);
```

At the bottom of the code editor, there are status icons: 100%, 1 error, 0 warnings, and 1 message. The error count is highlighted.

On the right, the "Error List" window shows one error:

Code	Description
CS0266	Cannot implicitly convert type 'float' to 'byte'. An explicit conversion exists (are you missing a cast?)

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

- Ejemplo comentario de una línea

A screenshot of the Visual Studio IDE. The title bar says "C# MyFirstProject". The code editor shows a file named "Program.cs" with the following content:

```
1 // This is a simple C# program
2
3 Console.WriteLine(DateTime.Now);
4
5
6
7
```

- Ejemplo comentario de varias líneas

A screenshot of the Visual Studio IDE. The title bar says "C# MyFirstProject". The code editor shows a file named "Program.cs" with the following content:

```
1 /* This is a simple C# program
2  * that prints the current date and time to the console.
3  */
4
5
6 Console.WriteLine(DateTime.Now);
7
8
```

The status bar at the bottom right shows the output of the program: "1/27/2026 5:06:22 PM" and "C:\Users\valer\OneDrive\Exit with code 0 (0x0). To automatically close the debugging stops."