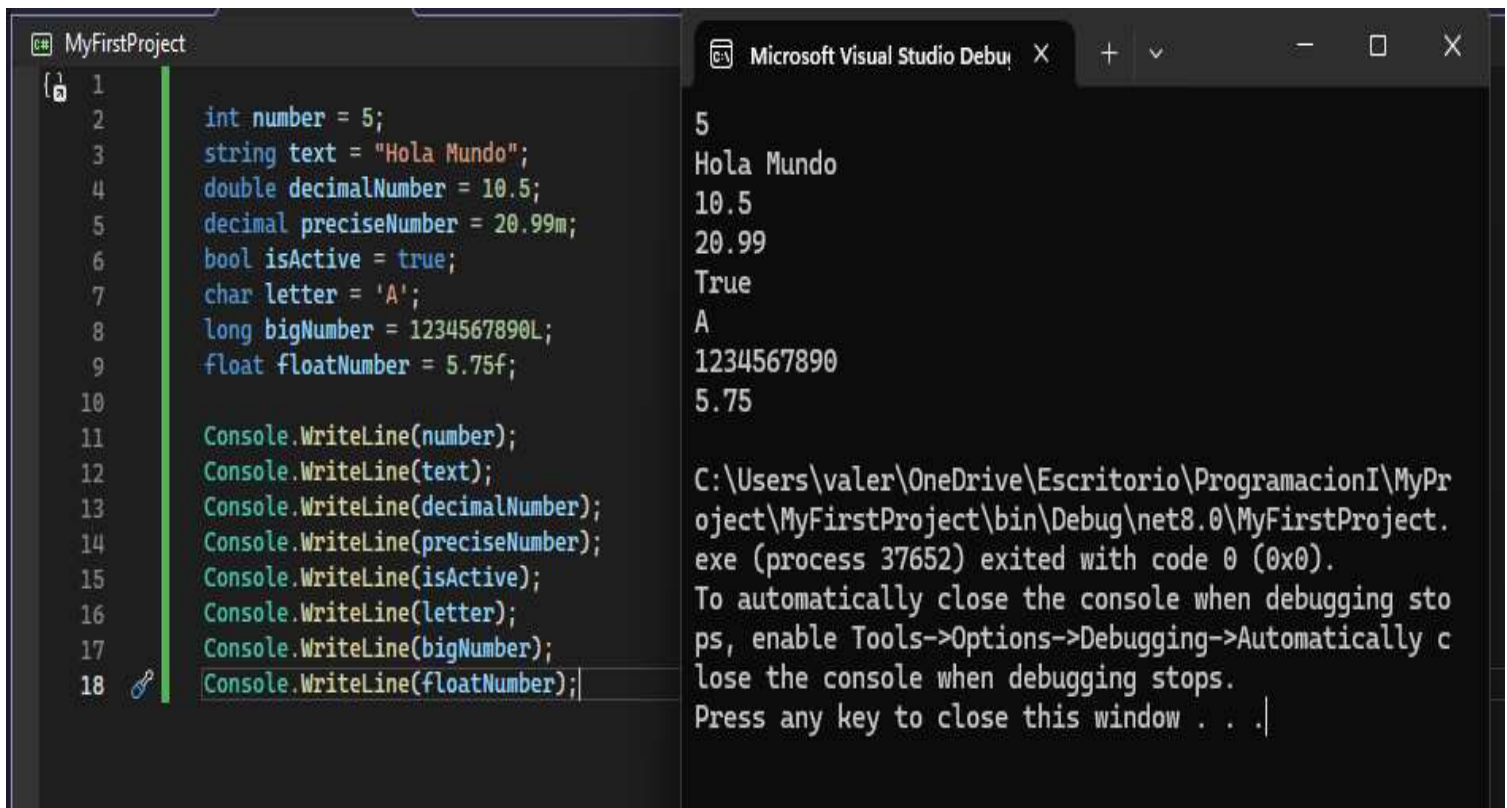


C# tarea inicial

Valerie Carrero, 2025-1862, lunes

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



The screenshot shows the Visual Studio IDE with a C# project named 'MyFirstProject'. The code in the editor declares variables of various types and prints them to the console. The output window on the right shows the results of these operations.

```
1 int number = 5;
2 string text = "Hola Mundo";
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);
```

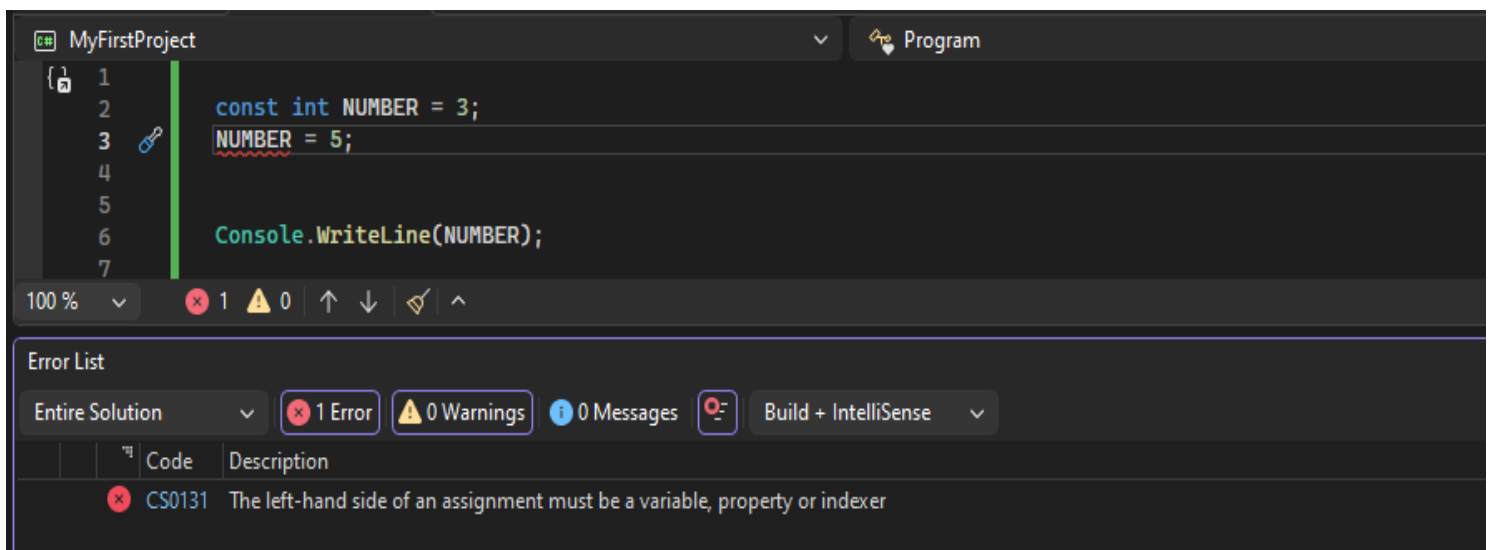
Output:

```
5
Hola Mundo
10.5
20.99
True
A
1234567890
5.75

C:\Users\valer\OneDrive\Escritorio\ProgramacionI\MyPr
oject\MyFirstProject\bin\Debug\net8.0\MyFirstProject.
exe (process 37652) exited with code 0 (0x0).
To automatically close the console when debugging sto
ps, enable Tools->Options->Debugging->Automatically c
lose 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 declararse, no pueden modificarse posteriormente y su valor se establece en tiempo de compilación.



The screenshot shows the Visual Studio IDE with a C# project named 'MyFirstProject'. The code in the editor declares a constant and attempts to reassign it. The Error List at the bottom shows a CS0131 error.

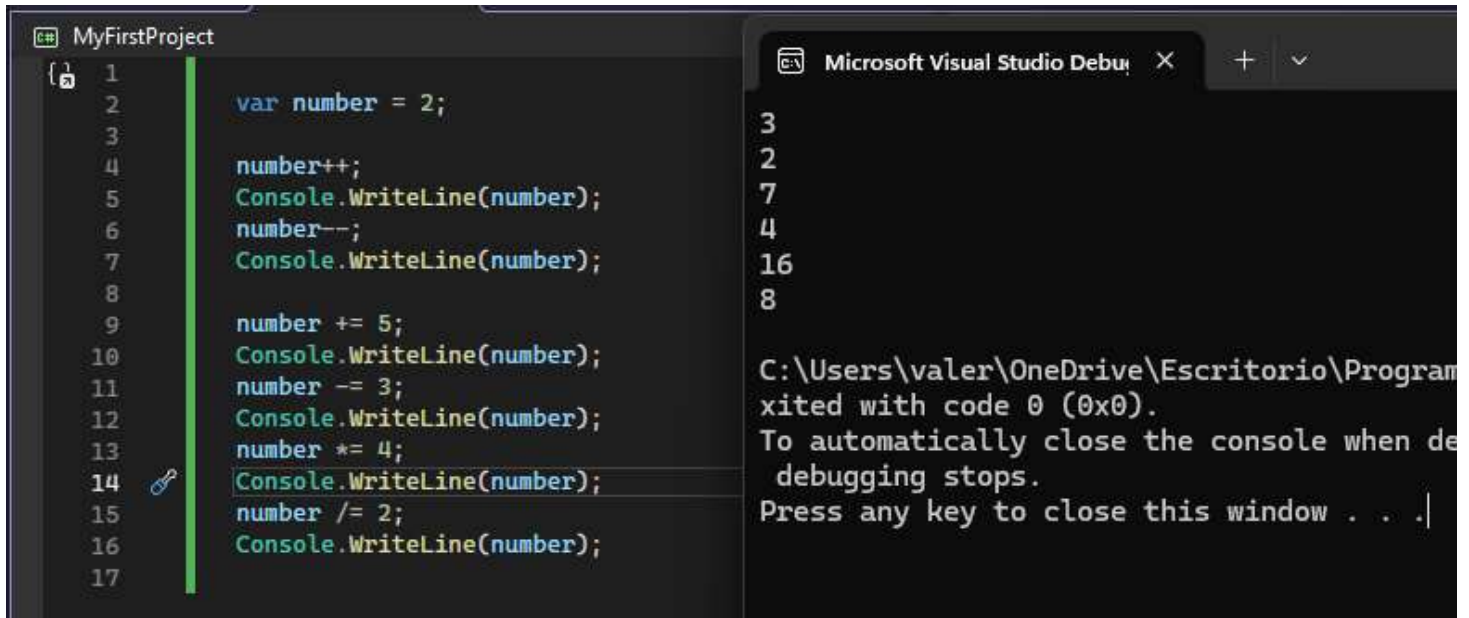
```
1 const int NUMBER = 3;
2
3 NUMBER = 5;
4
5
6 Console.WriteLine(NUMBER);
7
```

Error List:

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

C# tarea inicial

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



The screenshot shows the Visual Studio IDE with a project named 'MyFirstProject'. The code in the editor is as follows:

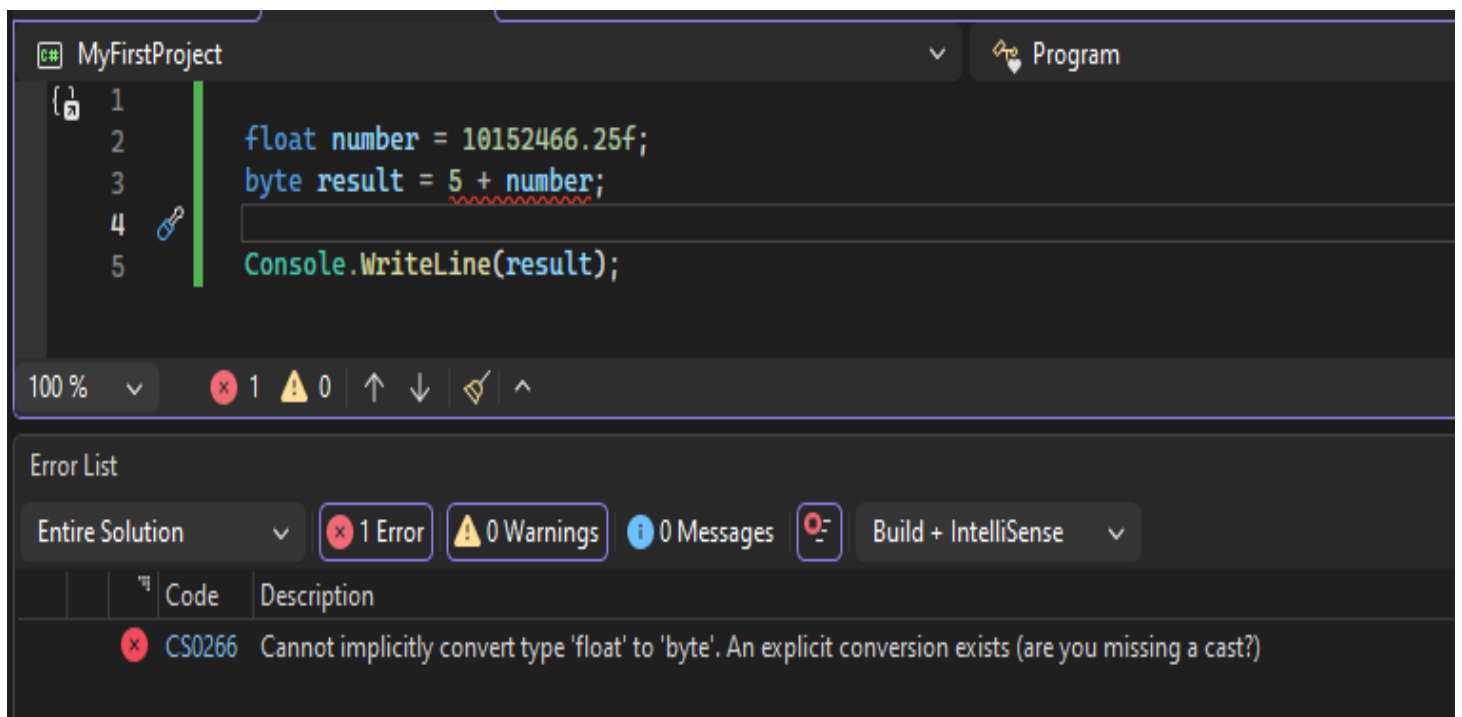
```
1 var number = 2;
2
3
4 number++;
5 Console.WriteLine(number);
6 number--;
7 Console.WriteLine(number);
8
9 number += 5;
10 Console.WriteLine(number);
11 number -= 3;
12 Console.WriteLine(number);
13 number *= 4;
14 Console.WriteLine(number);
15 number /= 2;
16 Console.WriteLine(number);
17
```

The output window on the right shows the results of the program execution:

```
3
2
7
4
16
8
C:\Users\valer\OneDrive\Escritorio\Program
xited with code 0 (0x0).
To automatically close the console when de
debugging stops.
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 Visual Studio IDE with a project named 'MyFirstProject'. The code in the editor is as follows:

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

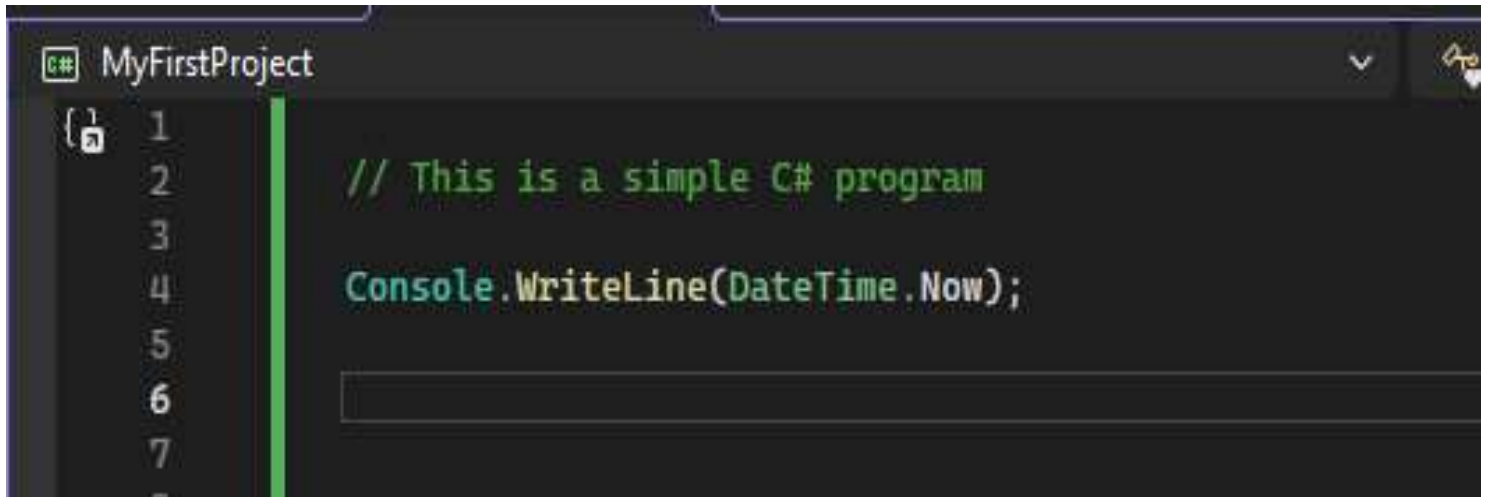
The error list at the bottom shows a single error:

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

C# tarea inicial

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

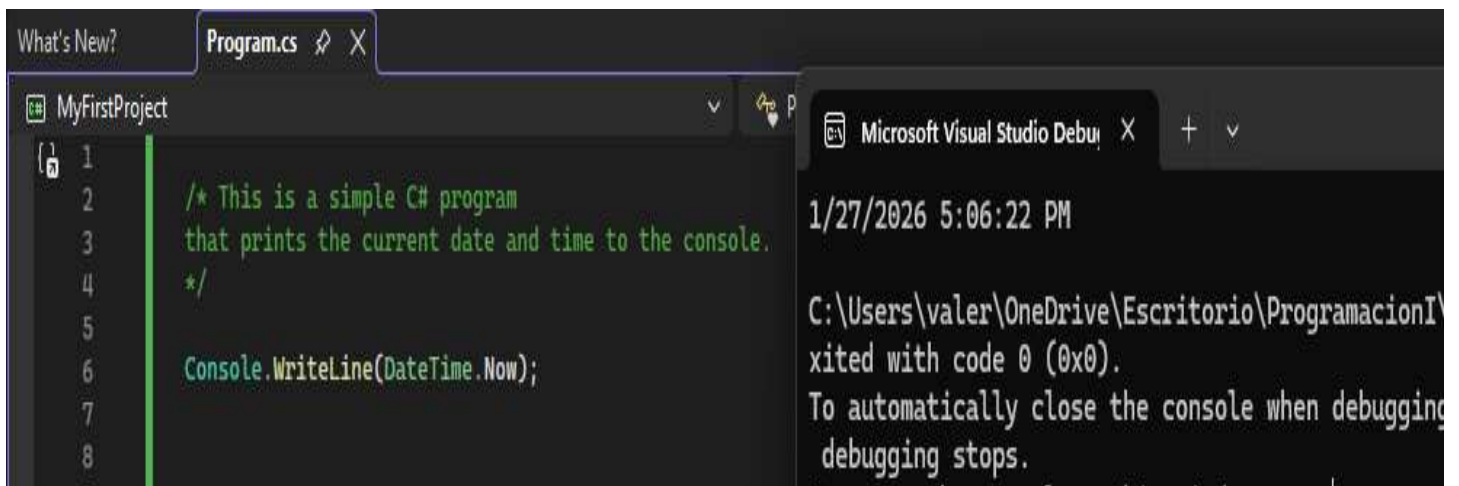
- Ejemplo comentario de una línea



A screenshot of the Visual Studio code editor. The file explorer on the left shows a project named 'MyFirstProject'. The main editor window displays a C# file with the following code:

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

- Ejemplo comentario de varias líneas



A screenshot of the Visual Studio code editor showing the same C# program as the previous image, but with a multi-line comment. The code is:

```
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
```

On the right side of the image, there is a preview of the program's output in a console window. It shows the date and time: 1/27/2026 5:06:22 PM. Below this, there is a message from Microsoft Visual Studio Debug Console: 'C:\Users\valer\OneDrive\Escritorio\ProgramacionI... exited with code 0 (0x0). To automatically close the console when debugging debugging stops.'