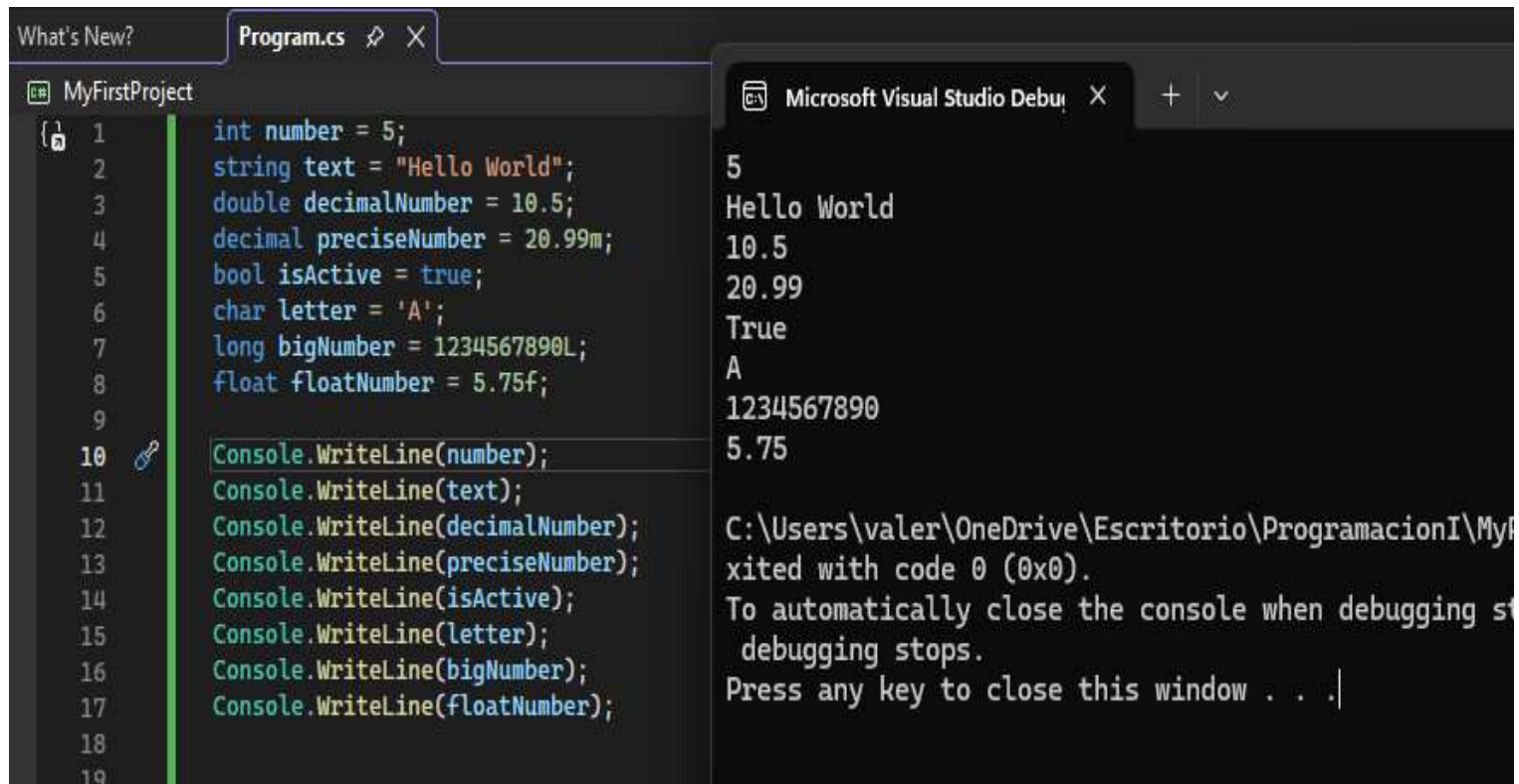


C# tarea inicial

Valerie Carrero, 2025-1862, lunes

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



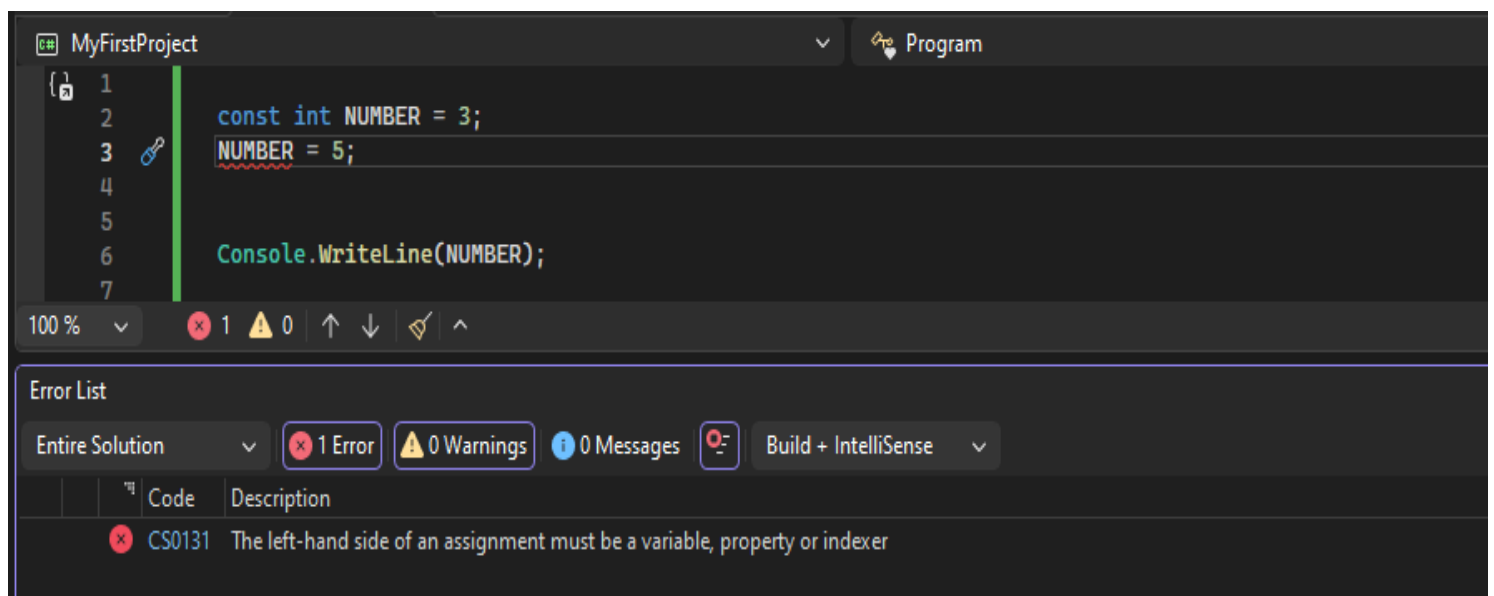
The screenshot shows the Visual Studio IDE with a C# project named 'MyFirstProject'. The code in 'Program.cs' declares and initializes several variables of different types, and then prints each one to the console using `Console.WriteLine`.

```
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);
18
19
```

The console output on the right shows the values of these variables printed on separate lines: 5, Hello World, 10.5, 20.99, True, A, 1234567890, and 5.75. Below the output, a message indicates the application exited with code 0 (0x0) and prompts the user to press any key to close the 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 IDE with a C# project named 'MyFirstProject'. The code in 'Program.cs' declares a constant `NUMBER` and attempts to reassign it, which results in a compiler error.

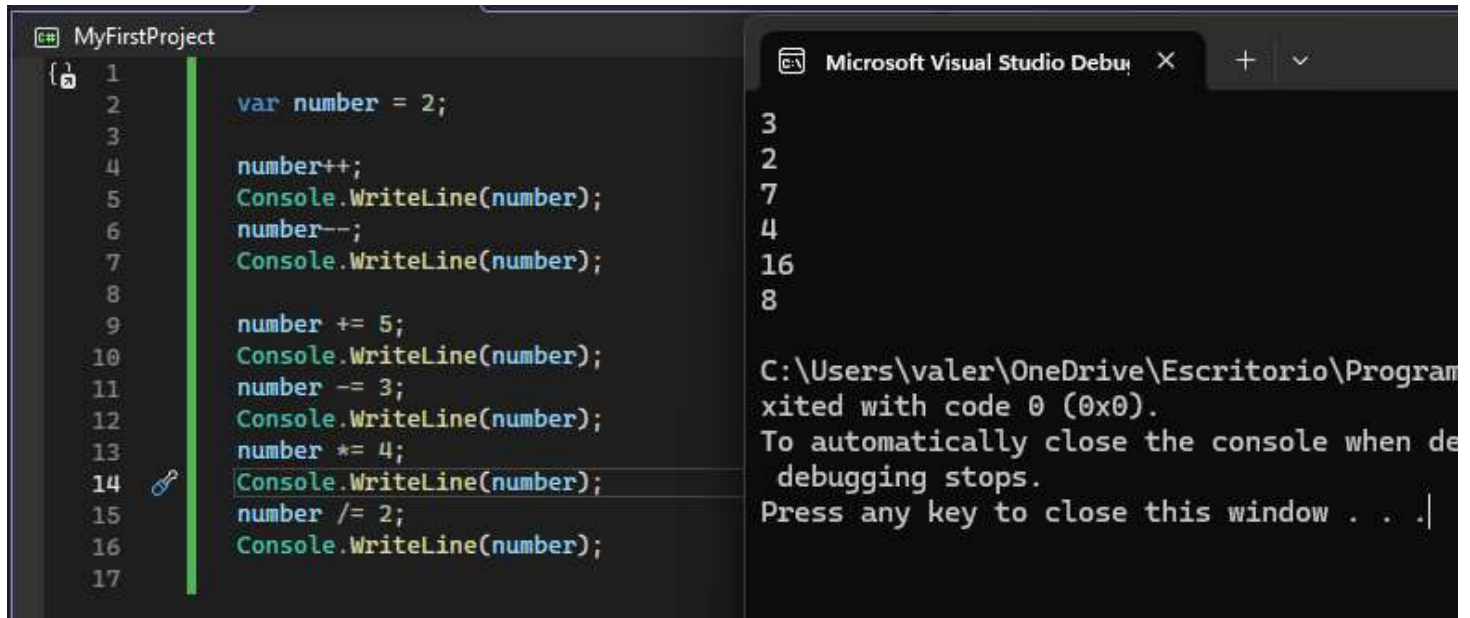
```
1
2 const int NUMBER = 3;
3 NUMBER = 5;
4
5
6 Console.WriteLine(NUMBER);
7
```

The Error List at the bottom shows a single error: CS0131: The left-hand side of an assignment must be a variable, property or indexer. This error occurs because the constant `NUMBER` is being assigned a new value, which is not allowed in C#.

C# tarea inicial

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

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



```
MyFirstProject
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
```

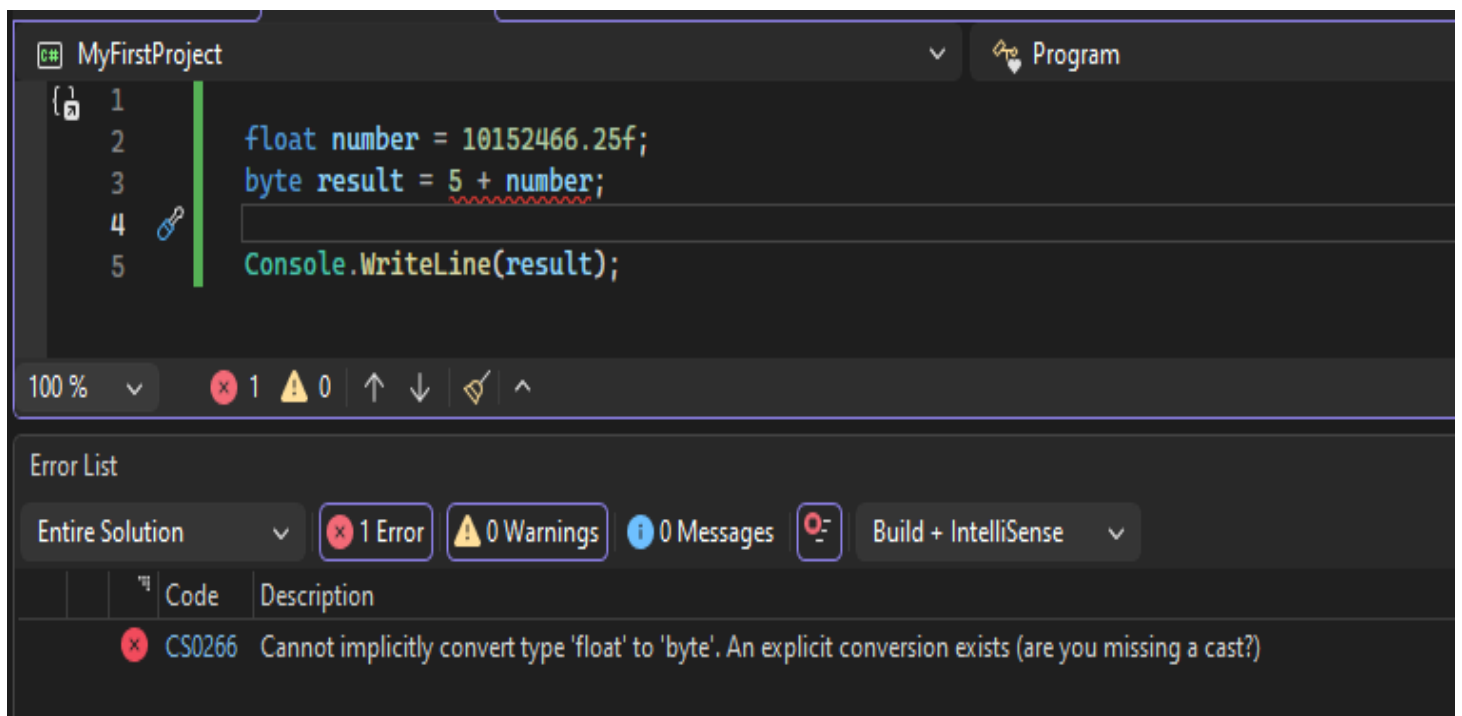
Microsoft Visual Studio Debug Console

```
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.



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

100 % 1 Error 0 Warnings 0 Messages Build + IntelliSense

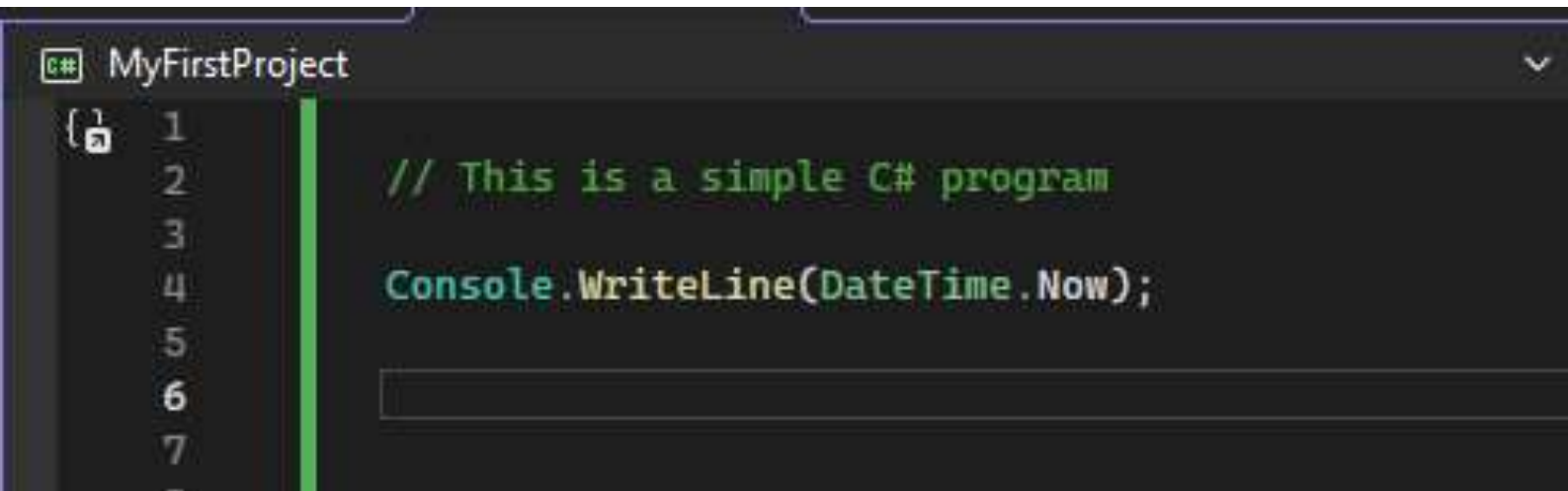
Error List

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.

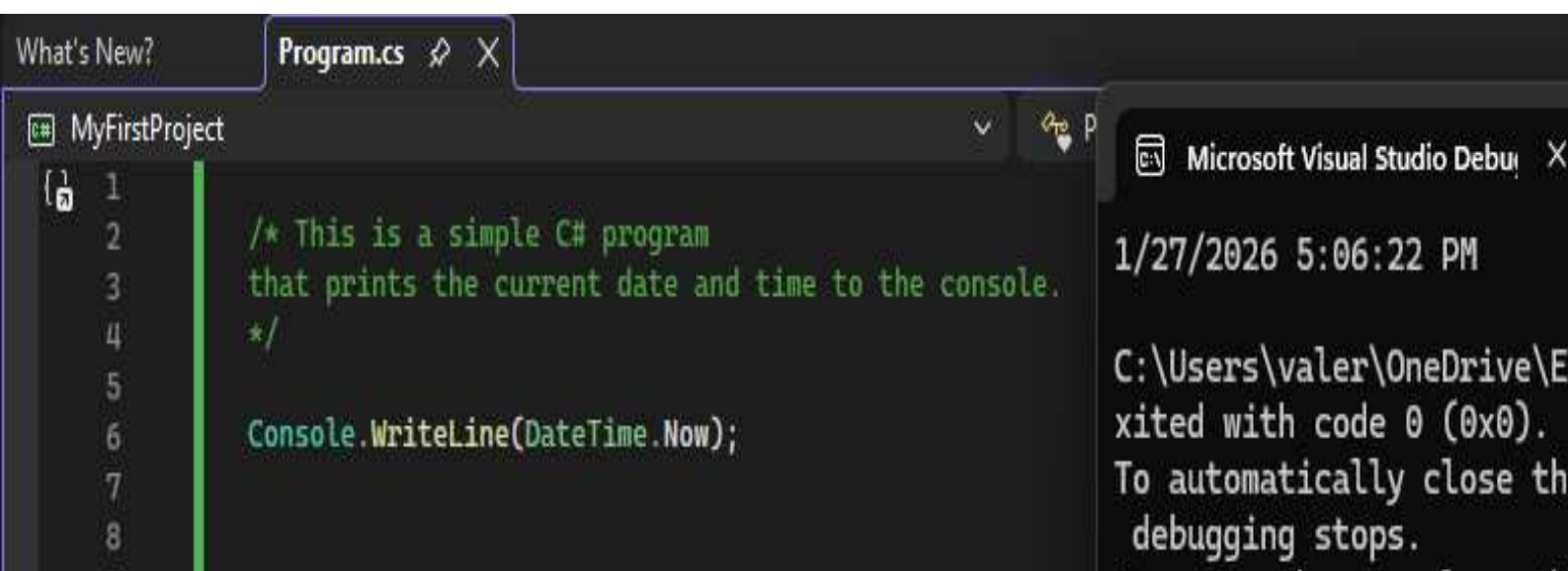
- Ejemplo comentario de una línea



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# program with the following code:

```
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 code editor showing a C# program with a multi-line comment. The file explorer on the left shows a project named 'MyFirstProject'. The main editor window displays a C# program with the following code:

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

On the right side, the 'Microsoft Visual Studio Debug Console' window is open, showing the output of the program:

```
1/27/2026 5:06:22 PM
C:\Users\valer\OneDrive\Exited with code 0 (0x0).
To automatically close the debugging stops.
```