



*Las Americas Institute of Technology*

Nombre: Carlos Adolfo Carmona Adonis

Matricula: 2025-1392

Materia: Programación I

Día de clases: lunes 15 de septiembre.

1. Declarar una variable.

```
1 // Carlos Adolfo Carmona Adonis - 29-5-1392
2
3 // 1. Declare variables of different types
4 int age = 19;
5 double height = 1.75;
6 char initial = 'C';
7 bool isStudent = true;
8
9 Console.WriteLine("Age: " + age);
10 Console.WriteLine("Height: " + height);
11 Console.WriteLine("Initial: " + initial);
12 Console.WriteLine("Is student: " + isStudent);
13
14
```

Microsoft Visual Studio Debu

Age: 19  
Height: 1.75  
Initial: C  
Is student: True

C:\Users\cacar\source\repos\Itla Practices C#\Practices\Pract1\bin\Debug\net 9.0\Pract1.exe (process 24348) exited with code 0 (0x0).  
To automatically close the console when debugging stops, enable Tools->Options ->Debugging->Automatically close the console when debugging stops.  
Press any key to close this window . . .]

2. Declarar una constante:

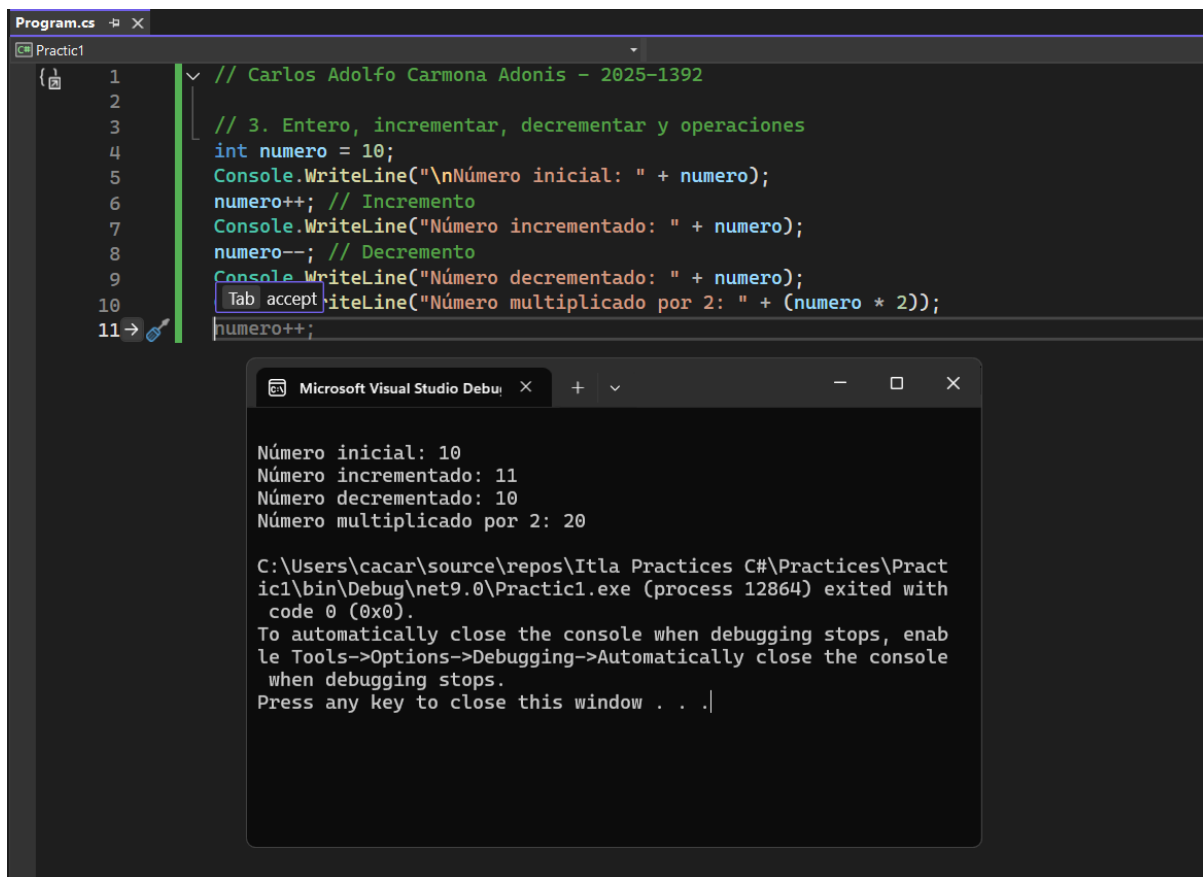
```
1 // Carlos Adolfo Carmona Adonis - 2025-1392
2
3 // 2. Declare a constant
4 const double PI = 3.1416;
5 Console.WriteLine("\nConstant PI: " + PI);
6
7 Tab accept 14; // If you try to uncomment this, it will cause an error because a constant cannot be changed
8 Console.WriteLine(
9
```

Microsoft Visual Studio Debu

Constant PI: 3.1416

C:\Users\cacar\source\repos\Itla Practices C#\Practices\Pract1\bin\Debug\net 9.0\Pract1.exe (process 27588) exited with code 0 (0x0).  
To automatically close the console when debugging stops, enable Tools->Options ->Debugging->Automatically close the console when debugging stops.  
Press any key to close this window . . .]

### 3. Incremento, Decremento y operaciones:



The screenshot shows a Visual Studio IDE with a C# file named `Program.cs` and a debug console window. The code in `Program.cs` is as follows:

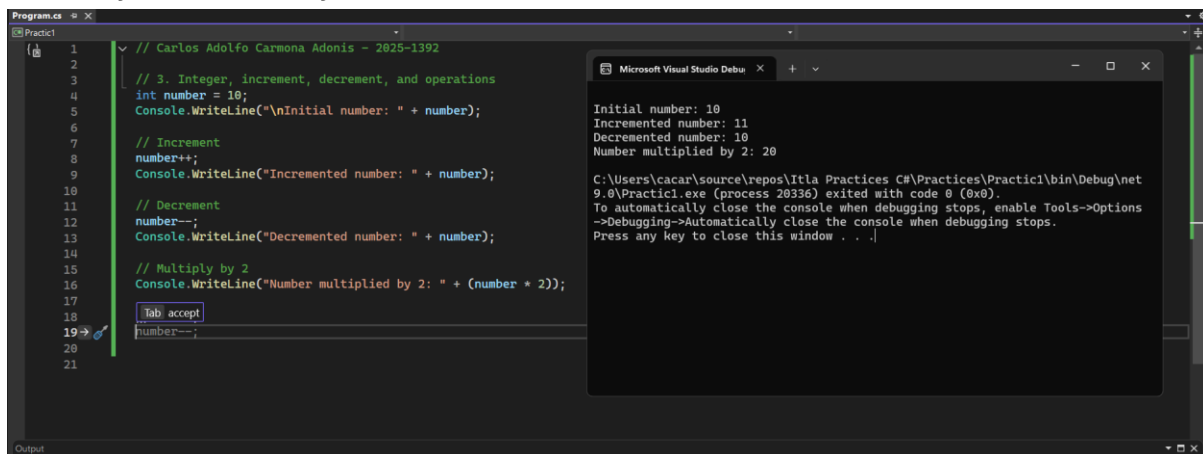
```
1 // Carlos Adolfo Carmona Adonis - 2025-1392
2
3 // 3. Entero, incrementar, decrementar y operaciones
4 int numero = 10;
5 Console.WriteLine("\nNúmero inicial: " + numero);
6 numero++; // Incremento
7 Console.WriteLine("Número incrementado: " + numero);
8 numero--; // Decremento
9 Console.WriteLine("Número decrementado: " + numero);
10 Console.WriteLine("Número multiplicado por 2: " + (numero * 2));
11 numero++;
```

The debug console window displays the following output:

```
Número inicial: 10
Número incrementado: 11
Número decrementado: 10
Número multiplicado por 2: 20

C:\Users\cacar\source\repos\Itla Practices C#\Practices\Practic1\bin\Debug\net9.0\Practic1.exe (process 12864) exited with code 0 (0x0).
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .|
```

### 4. Float y declarar un byte:



The screenshot shows a Visual Studio IDE with a C# file named `Program.cs` and a debug console window. The code in `Program.cs` is as follows:

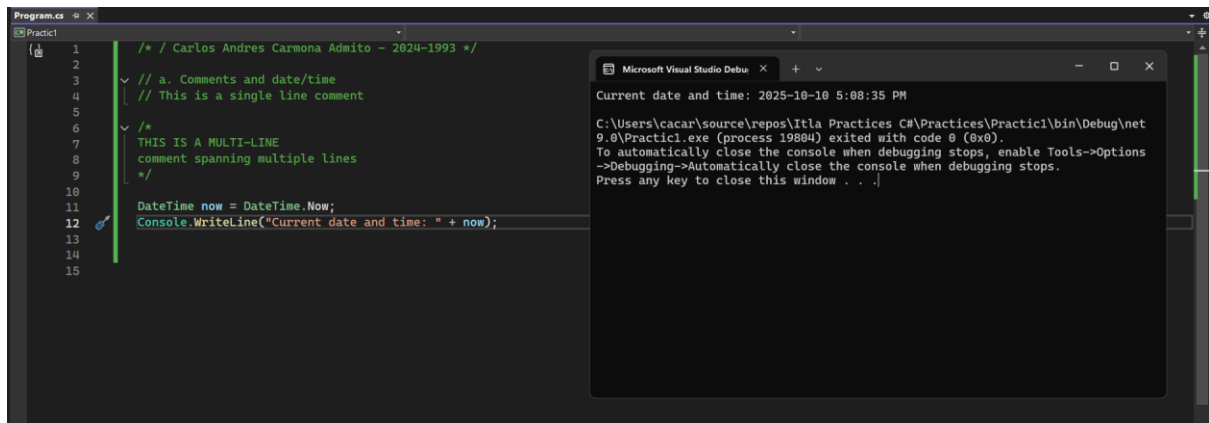
```
1 // Carlos Adolfo Carmona Adonis - 2025-1392
2
3 // 3. Integer, increment, decrement, and operations
4 int number = 10;
5 Console.WriteLine("\nInitial number: " + number);
6
7 // Increment
8 number++;
9 Console.WriteLine("Incremented number: " + number);
10
11 // Decrement
12 number--;
13 Console.WriteLine("Decrement number: " + number);
14
15 // Multiply by 2
16 Console.WriteLine("Number multiplied by 2: " + (number * 2));
17
18 Tab accept
19 number--;
20
21
```

The debug console window displays the following output:

```
Initial number: 10
Incremented number: 11
Decrement number: 10
Number multiplied by 2: 20

C:\Users\cacar\source\repos\Itla Practices C#\Practices\Practic1\bin\Debug\net9.0\Practic1.exe (process 20336) exited with code 0 (0x0).
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .|
```

## 5. Comentario con fecha y hora del sistema:



The screenshot shows the Visual Studio IDE with a C# file named `Program.cs` and a `Microsoft Visual Studio Debu` console window.

**Program.cs:**

```
1  /* / Carlos Andres Carmona Admito - 2024-1993 */
2
3  // a. Comments and date/time
4  // This is a single line comment
5
6  /*
7  THIS IS A MULTI-LINE
8  comment spanning multiple lines
9  */
10
11  DateTime now = DateTime.Now;
12  Console.WriteLine("Current date and time: " + now);
13
14
15
```

**Microsoft Visual Studio Debu:**

```
Current date and time: 2025-10-10 5:08:35 PM

C:\Users\cacar\source\repos\Itla Practices C#\Practices\Practic1\bin\Debug\net
9.0\Practic1.exe (process 19884) exited with code 0 (0x0).
To automatically close the console when debugging stops, enable Tools->Options
->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```