



Las Americas Institute of Technology

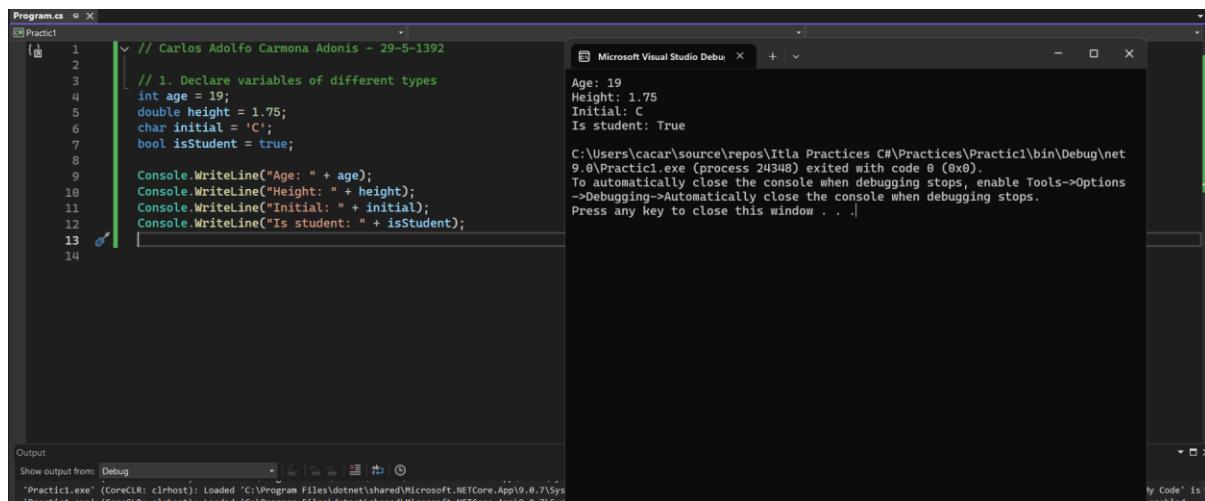
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Matricula: 2025-1392

Materia: Programación I

Dia de clases: lunes 15 de septiembre.

1. Declarar una variable.



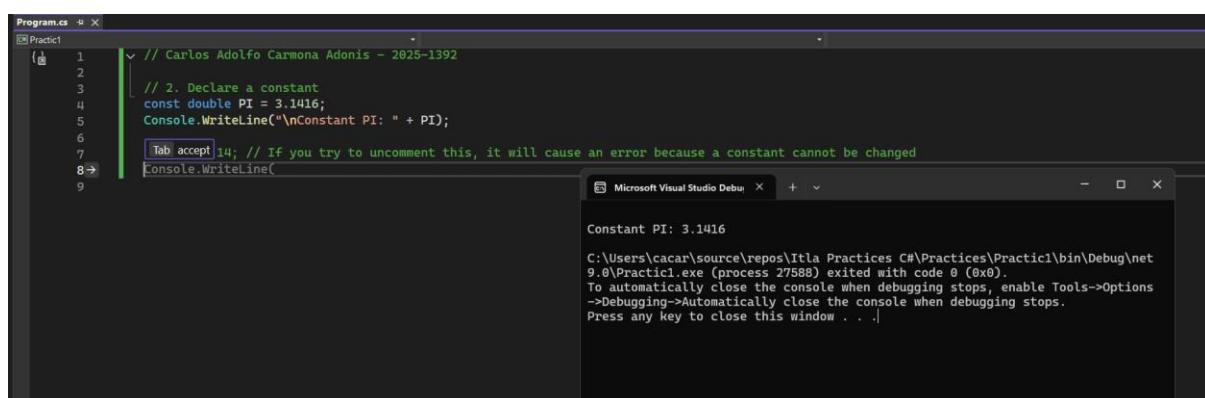
A screenshot of Microsoft Visual Studio showing a C# program named 'Program.cs'. The code declares variables of different types: age (int), height (double), initial (char), and isStudent (bool). It then prints these values to the console. The output window shows the results: Age: 19, Height: 1.75, Initial: C, Is student: True. The status bar at the bottom right indicates 'Code' is enabled.

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

```
Microsoft Visual Studio Debug
Age: 19
Height: 1.75
Initial: C
Is student: True

C:\Users\cacar\source\repos\Itla Practices C#\Practices\Practic1\bin\Debug\net
9.0\Practic1.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:



A screenshot of Microsoft Visual Studio showing a C# program named 'Program.cs'. The code declares a constant PI with a value of 3.1416. A comment explains that attempting to change the value will cause an error because constants cannot be changed. The output window shows the constant PI: 3.1416. The status bar at the bottom right indicates 'Code' is enabled.

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

```
Microsoft Visual Studio Debug
Constant PI: 3.1416

C:\Users\cacar\source\repos\Itla Practices C#\Practices\Practic1\bin\Debug\net
9.0\Practic1.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 the Microsoft Visual Studio interface. In the top window, titled 'Program.cs', the code 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++;

12 →
```

In the bottom window, titled 'Microsoft Visual Studio Debug', the output is:

```
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 the Microsoft Visual Studio interface. In the top window, titled 'Program.cs', the code 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 →
19 →
```

In the bottom window, titled 'Microsoft Visual Studio Debug', the output is:

```
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\net
9.0\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 Microsoft Visual Studio interface. On the left, the 'Program.cs' file is open in the code editor, displaying the following C# code:

```
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
```

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

```
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 . . .
```