

C# tarea inicial

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

A screenshot of Microsoft Visual Studio. On the left, the code editor shows a C# file with the following code:

```
1 string hello = "Hello World";
2 int number = 18;
3 decimal numberdecimal = 5.3463853743498m;
4 float numberfloat = 12.34f;
5 double numberdouble = 89.9384948949;
6 bool trueorfalse = false;
7 bool falseorfalse = true;
8 char character = 'a';
9 Console.WriteLine(hello);
10 Console.WriteLine(number);
11 Console.WriteLine(numberdecimal);
12 Console.WriteLine(numberfloat);
13 Console.WriteLine(numberdouble);
14 Console.WriteLine(trueorfalse);
15 Console.WriteLine(falseorfalse);
16 Console.WriteLine(character);
```

The output window on the right displays the results of the console output:

```
Hello World
18
5.3463853743498
12.34
89.9384948949
False
True
a
```

Below the output window, the build log shows:

```
Build started at 4:28 PM...
1>-- Build started: Project: Questionnaire, Configuration: Debug Any CPU ...
1>Skipping analyzers to speed up the build. You can execute 'Build' or 'Rebuild' on 'Questionnaire' -> C:\Users\jhost\source\repos\Questionnaire\Questionnaire\bin\...
===== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped ======
===== Build completed at 4:28 PM and took 04.588 seconds ======
```

- Buscar cómo se declara una constante en C#

Las constantes son valores inmutables que se conocen en tiempo de compilación y no cambian durante la vida del programa. Las constantes se declaran con el modificador const. Solo los tipos integrados de C# se pueden declarar como const.

A screenshot of Microsoft Visual Studio. On the left, the code editor shows a C# file with the following code:

```
19 const double PI = Math.PI;
20 Console.WriteLine(PI);
21
22
23
```

The output window on the right displays the results of the console output:

```
3.141592653589793
```

Below the output window, the build log shows:

```
Build started at 4:30 PM...
1>-- Build started: Project: Questionnaire, Configuration: Debug Any CPU ...
1>Skipping analyzers to speed up the build. You can execute 'Build' or 'Rebuild' on 'Questionnaire' -> C:\Users\jhost\source\repos\Questionnaire\Questionnaire\bin\...
===== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped ======
===== Build completed at 4:30 PM and took 00.796 seconds ======
```

Probar de cambiar su valor luego y ver que es lo que pasa.

A screenshot of Microsoft Visual Studio. On the left, the code editor shows a C# file with the following code:

```
19 const double PI = Math.PI;
20 Console.WriteLine(PI);
21 //Try changing its value later and see what happens.
22 const double PI = 3.1416;
23 Console.WriteLine(PI);
24
25
```

A modal dialog box titled "Microsoft Visual Studio" appears, asking: "There were build errors. Would you like to continue and run the last successful build?". The "Yes" button is highlighted.

The output window on the right displays the results of the console output:

```
There were build errors. Would you like to continue and run the last successful build?
Yes No
```

Below the output window, the build log shows:

```
Build started at 4:31 PM...
1>-- Build started: Project: Questionnaire, Configuration: Debug Any CPU ...
1>Skipping analyzers to speed up the build. You can execute 'Build' or 'Rebuild' on 'Questionnaire' -> C:\Users\jhost\source\repos\Questionnaire\Questionnaire\bin\...
1>C:\Users\jhost\source\repos\Questionnaire\Questionnaire\Program.cs(2,14,23,16): error CS0229: A local variable or function named 'PI' is already defined in this scope
1>C:\Users\jhost\source\repos\Questionnaire\Questionnaire\Program.cs(23,14,23,16): warning CS0219: The variable 'PI' is assigned but its value is never used
1>Done building project "Questionnaire.csproj" -- FAILED.
===== Build: 0 succeeded, 1 failed, 0 up-to-date, 0 skipped ======
===== Build completed at 4:31 PM and took 00.538 seconds ======
```

At the bottom, a list of build errors is shown:

Code	Description	Project	File	Line	Suppression State
CS0128	A local variable or function named 'PI' is already defined in this scope	Questionnaire	Program.cs	23	
ENC0097	Applying source changes while the application is running is not supported by the runtime.	Questionnaire	Program.cs	1	
CS0219	The variable 'PI' is assigned but its value is never used	Questionnaire	Program.cs	23	

C# tarea inicial

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

The screenshot shows the Microsoft Visual Studio interface. On the left is the code editor with the following C# code:

```
28 int numberinteger = 10;
29 Console.WriteLine(numberinteger);
30 numberinteger++;
31 Console.WriteLine(numberinteger);
32 numberinteger--;
33 Console.WriteLine(numberinteger);
34 numberinteger = numberinteger + numberinteger;
35 Console.WriteLine(numberinteger);
36 numberinteger = numberinteger - numberinteger;
37 Console.WriteLine(numberinteger);
38 numberinteger = 10;
39 numberinteger = numberinteger * numberinteger;
40 Console.WriteLine(numberinteger);
41 numberinteger = numberinteger / 10;
42 Console.WriteLine(numberinteger);
```

The output window on the right shows the execution results:

```
10
11
10
20
0
100
10

C:\Users\jhost\source\repos\Questionnaire\Questionnaire\bin\Debug\net8.0\Questionnaire.exe 0 (0x0).
Press any key to close this window . . .
```

The build output window at the bottom shows the build process:

```
Build started at 4:35 PM...
1>---- Build started: Project: Questionnaire, Configuration: Debug Any CPU ----
1>Skipping analyzers to speed up the build. You can execute 'Build' or 'Rebuild' command to r
1>Questionnaire -> C:\Users\jhost\source\repos\Questionnaire\Questionnaire\bin\Debug\net8.0\Quest
===== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped ======
===== Build completed at 4:35 PM and took 00.573 seconds ======
```

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

The screenshot shows the Microsoft Visual Studio interface. On the left is the code editor with the following C# code:

```
44
45 float numberFloat = 10152466.25f;
46 Console.WriteLine(numberFloat);
47 byte numberbyte = 5;
48 Console.WriteLine(numberbyte + numberFloat);
```

The output window on the right shows the execution results:

```
10152466
10152471

C:\Users\jhost\source\repos\Questionnaire\Questionnaire\bin\Debug\net8.0\Questionnaire.exe 0 (0x0).
Press any key to close this window . . .
```

The build output window at the bottom shows the build process:

```
Build started at 4:37 PM...
1>---- Build started: Project: Questionnaire, Configuration: Debug Any CPU ----
1>Skipping analyzers to speed up the build. You can execute 'Build' or 'Rebuild' command to r
1>Questionnaire -> C:\Users\jhost\source\repos\Questionnaire\Questionnaire\bin\Debug\net8.0\Quest
===== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped ======
===== Build completed at 4:37 PM and took 00.501 seconds ======
```

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

The screenshot shows the Microsoft Visual Studio interface. On the left is the code editor with the following C# code:

```
50 //This is a single-line comment
51 /*These are
52 * multi-line
53 * comments
54 */
55 Console.WriteLine(DateTime.Now);
```

The output window on the right shows the execution results:

```
2/10/2026 4:37:58 PM

C:\Users\jhost\source\repos\Questionnaire\Questionnaire\bin\Debug\net8.0\Questionnaire.exe 0 (0x0).
Press any key to close this window . . .
```

The build output window at the bottom shows the build process:

```
Build started at 4:37 PM...
1>---- Build started: Project: Questionnaire, Configuration: Debug Any CPU ----
1>Skipping analyzers to speed up the build. You can execute 'Build' or 'Rebuild' command to r
1>Questionnaire -> C:\Users\jhost\source\repos\Questionnaire\Questionnaire\bin\Debug\net8.0\Quest
===== Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped ======
===== Build completed at 4:37 PM and took 00.713 seconds ======
```