

C# tarea inicial

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

The screenshot shows the Microsoft Visual Studio interface with a C# console application named "ConsoleApp1". The code in Program.cs defines a Main method that declares and prints various primitive types:

```
namespace ConsoleApp1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            int value = 5;
            double value2 = 45.4;
            float value3 = 34.5f;
            long value4 = 456789456;
            short value5 = 4567;
            byte value6 = 255;
            decimal value7 = 456789.456789m;

            Console.WriteLine($"int: {value}\n double: {value2}\n float: {value3}\n long: {value4}\n short: {value5}\n byte: {value6}\n decimal: {value7}");
        }
    }
}
```

The Output window shows the results of the console application's execution:

```
int: 5
double: 45.4
float: 34.4
long: 456789456
short: 4567
byte: 255
decimal: 456789.456789
```

- 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.

The screenshot shows the Microsoft Visual Studio interface with a C# console application named "ConsoleApp1". The code in Program.cs defines a constant and prints its value:

```
namespace ConsoleApp1
{
    internal class Program
    {
        static void Main(string[] args)
        {
            const int value = 5;
            Console.WriteLine("The value is: " + value);
        }
    }
}
```

The Output window shows the results of the console application's execution:

```
The value is: 5
```

C# tarea inicial

The screenshot shows the Visual Studio IDE interface. The main window displays the code for `Program.cs` in the `ConsoleApp1` project. The code contains a single assignment statement:const int value = 5;

```
which is highlighted in red, indicating a syntax error. The error list at the bottom left shows one error: CS0131 The left-hand side of an assignment must be a variable, property or indexer. The Solution Explorer on the right shows the project structure with a file named Program.cs.
```

- Declarar un entero, incrementarlo, decrementarlo, hacer operaciones con el.

The screenshot shows the Visual Studio IDE interface. The main window displays the code for `Program.cs` in the `ConsoleApp1` project. The code demonstrates various integer operations:using System;
namespace ConsoleApp1
{
 internal class Program
 {
 static void Main(string[] args)
 {
 int numberOne = 5;
 int numberTwo = 10;
 int value1 = numberOne + numberTwo;
 Console.WriteLine("The value is : {0}", value1);

 numberTwo--;
 int value = numberOne + numberTwo;
 Console.WriteLine("The value was decreased now is: {0}", value);

 value++;
 Console.WriteLine("The value was increased now is: {0}", value);
 }
 }
}The output window shows the results of these operations:

```
The value is : 15  
The value was decreased now is: 14  
The value was increased now is: 15
```

The status bar at the bottom indicates "No issues found".

C# tarea inicial

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

```
ConsoleApp1
1  using System.Drawing;
2  using System.Numerics;
3  using System.Windows.Markup;
4
5  namespace ConsoleApp1
6  {
7      internal class Program
8      {
9          static void Main(string[] args)
10         {
11             float value = 10152466.25f;
12
13             byte addition = (byte)(5 + value);
14             Console.WriteLine("The addition is: " + addition);
15         }
16     }
17 }
```

```
The addition is: 23
C:\Users\RJB11\OneDrive\Documents\Curso C#\ConsoleApp1\ConsoleApp1\bin\Debug\net9.0\ConsoleApp1.exe (process 23988) 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. Adjuntar comentario de una y de varias líneas un su código. Imprimir la fecha y hora del sistema.

```
ConsoleApp1
1  using System.Drawing;
2  using System.Numerics;
3  using System.Windows.Markup;
4  using static System.Runtime.InteropServices.JavaScript.JSType;
5
6  namespace ConsoleApp1
7  {
8      internal class Program
9      {
10         static void Main(string[] args)
11         {
12             // Single-line comment: Displays the current date and time
13             /* Multi-line comment:
14             * This program prints the system date and time
15             * using DateTime.Now
16             */
17
18             Console.WriteLine("Current system date and time: " + DateTime.Now);
19         }
20     }
21 }
```

```
Current system date and time: 10/9/2025 7:24:56 PM
C:\Users\RJB11\OneDrive\Documents\Curso C#\ConsoleApp1\ConsoleApp1\bin\Debug\net9.0\ConsoleApp1.exe (process 30868) 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 . . .
```