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

```
using System;

0 referencias
class Program
{
    0 referencias
    static void Main()
    {
        // 1. Variables
        int integerNumber = 750; // Integer type variable
        double decimalNumber = 32.78; // Double/decimal type variable
        string text = "Hello This is my first program in C#"; // String/text type variable
        bool isTrue = true; // Boolean type variable
        char character = 'J'; // Character type variable

        Console.WriteLine("== Variables ==");
        Console.WriteLine($"Integer: {integerNumber}");
        Console.WriteLine($"Decimal: {decimalNumber}");
        Console.WriteLine($"Text: {text}");
        Console.WriteLine($"Boolean: {isTrue}");
        Console.WriteLine($"Character: {character}");
    }
}
```

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.

```
// 2. Constants
Console.WriteLine("\n--Constants--");
const string Calculator = "Basic Calculator";
Console.WriteLine($"The name of the constant is: {Calculator}");

// Calculator = "Scientific Calculator";
// Trying to change the constant's value (causes a compilation error if uncommented)
// Error: Cannot assign to 'Calculator' because it is a 'constant'
```

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

```
// 3. Operations with integers
int number = 10;
Console.WriteLine("\n--Integer Operations--");
Console.WriteLine($"Initial value: {number}");

number++; // increment
Console.WriteLine($"Incremented: {number}");

number--; // decrement
Console.WriteLine($"Decrement: {number}");

int sum = number + 15;
int multiplication = number * 6;
int subtraction = number - 8;

Console.WriteLine($"Addition (+15): {sum}");
Console.WriteLine($"Multiplication (*6): {multiplication}");
Console.WriteLine($"Subtraction (-8): {subtraction}");
```

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

```
// 4. Floats with value
float FloatNumber = 10152466.25f; // Float type variable (the f is used to indicate it's a float)
Console.WriteLine($"\\nFloat Value: {FloatNumber}");

byte ByteResult = (byte)(5 + FloatNumber); // a cast to byte is added for 5 + the float
Console.WriteLine($"Result of (5 + float) casted to byte: {ByteResult}");
```

C# tarea inicial

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

```
// 5. Date and Time
Console.WriteLine("\nDate and Time");
Console.WriteLine(DateTime.Now);

Console.WriteLine("\nPress any key to close");
Console.ReadKey();
```

```
== Variables ==
Integer: 750
Decimal: 32.78
Text: Hello This is my first program in C#
Boolean: True
Character: J

--Constants--
The name of the constant is: Basic Calculator

--Integer Operations--
Initial value: 10
Incremented: 11
Decrementated: 10
Addition (+15): 25
Multiplication (*6): 60
Subtraction (-8): 2

Float Value: 10152466
Result of (5 + float) casted to byte: 23

Date and Time
8/10/2025 3:51:52 p. m.

Press any key to close
```