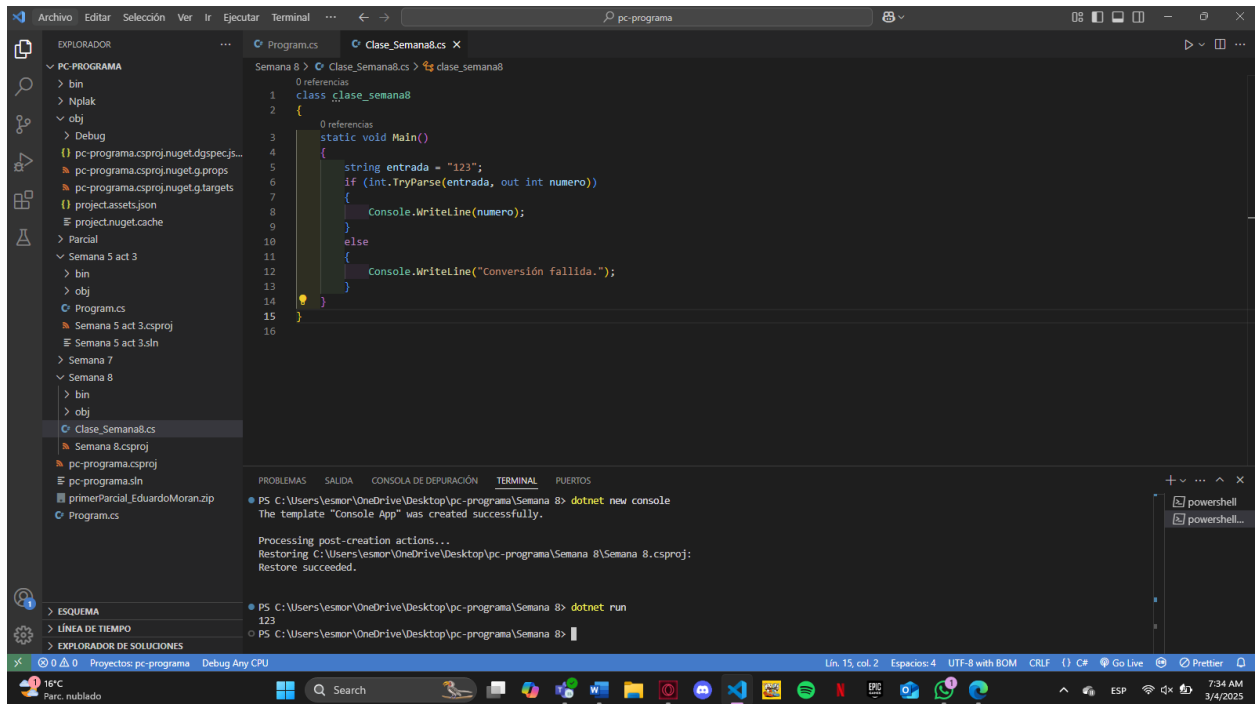
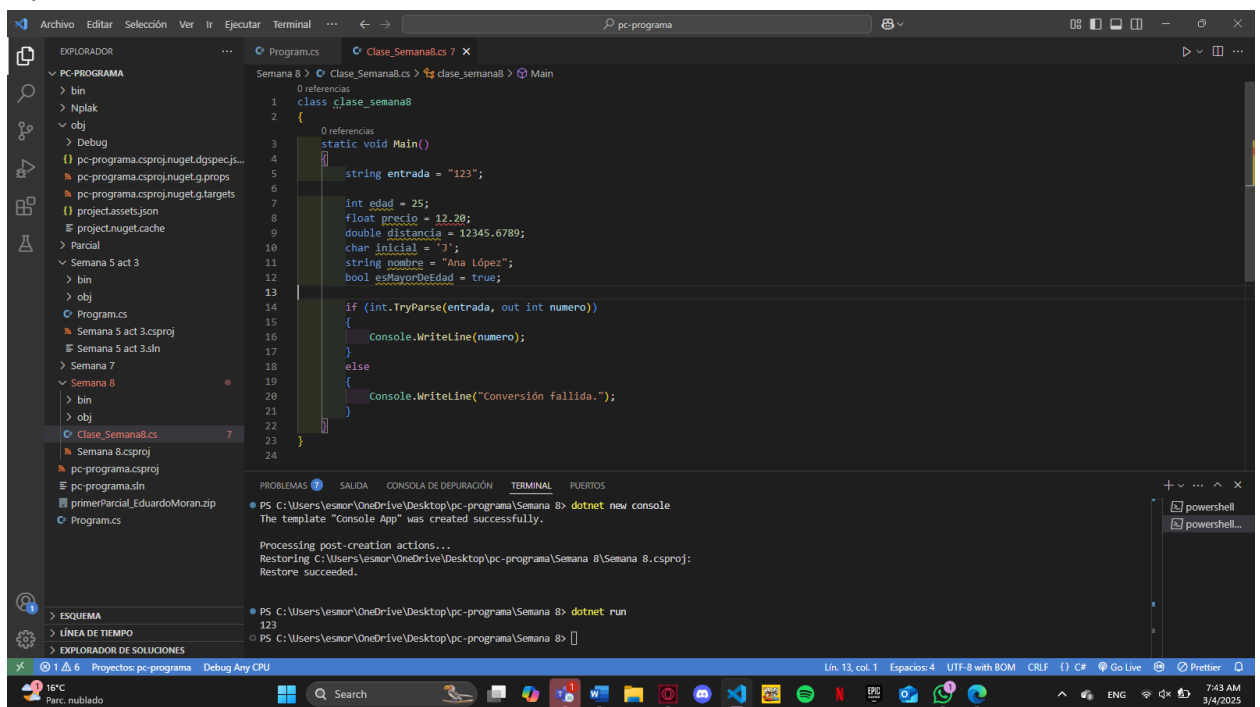


## Eduardo Moran Semana 8

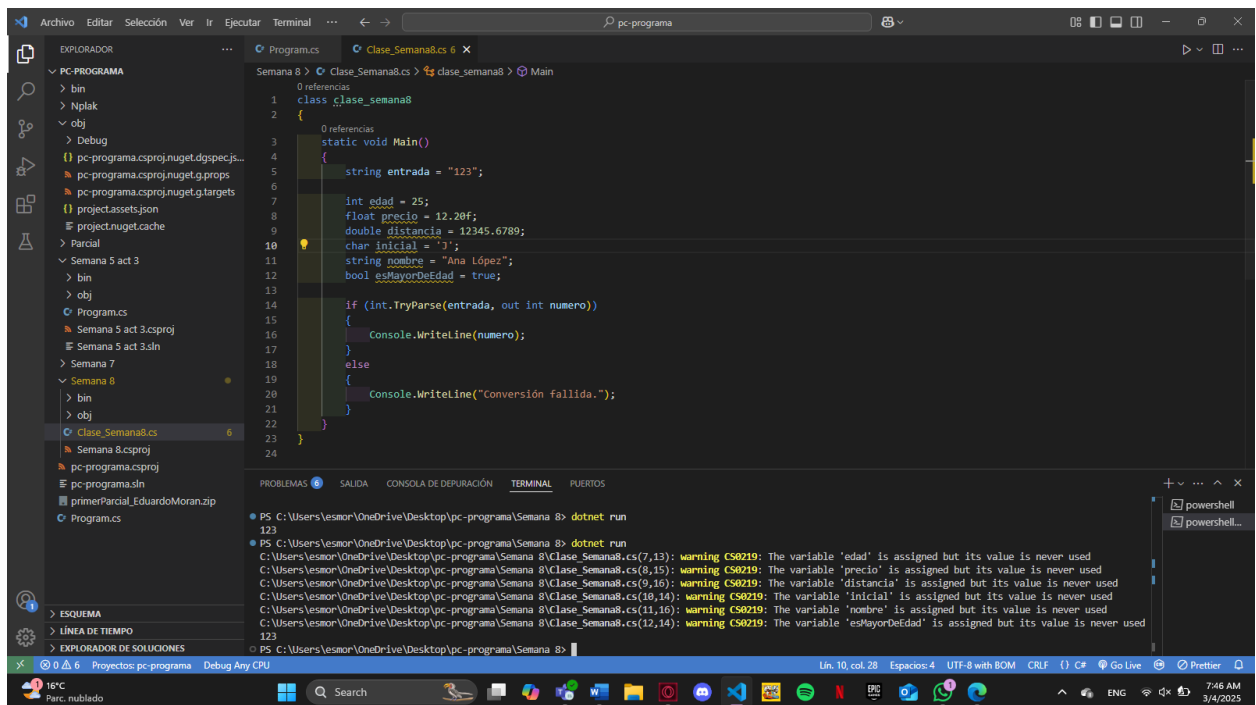
### 1) INICIO



### 2) Tipos de variables



### 3) Float necesita la F para que esta función pueda usar los decimales

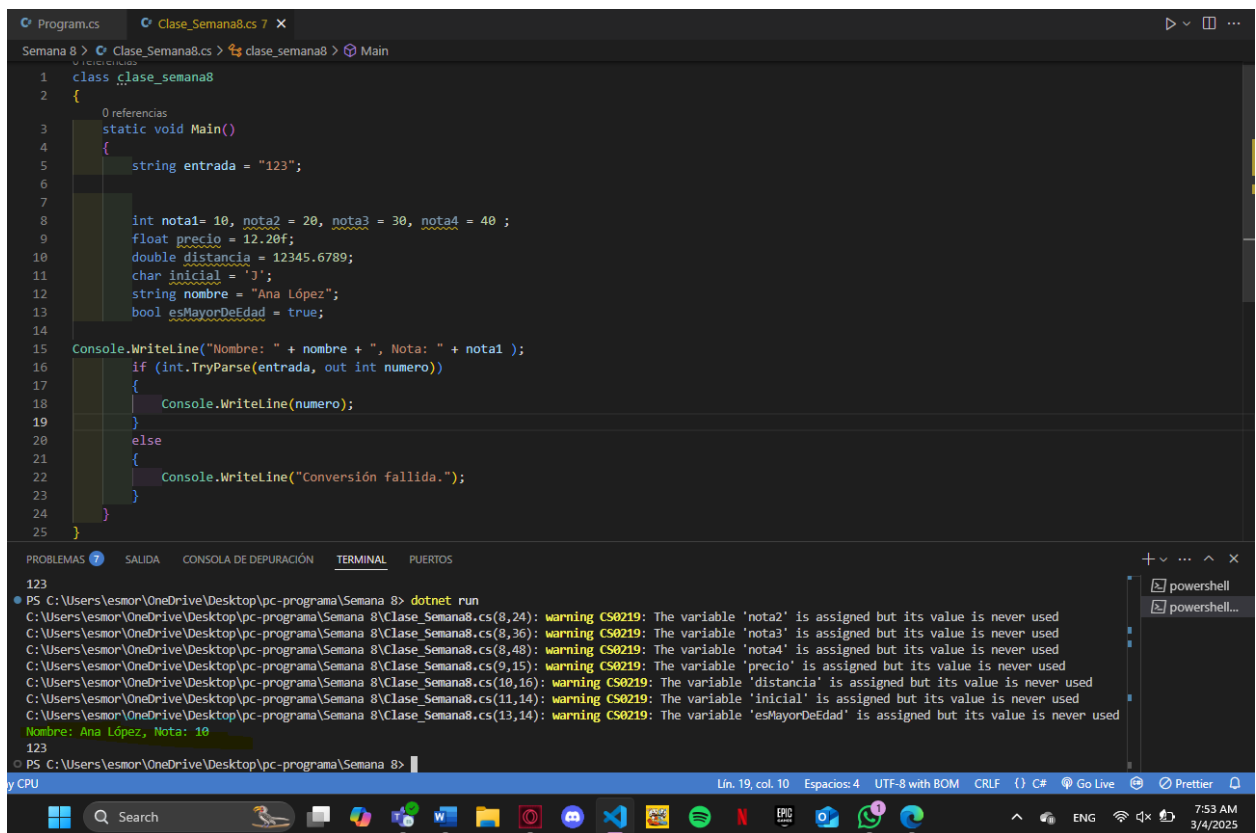


The screenshot shows a Visual Studio IDE with a C# project named 'pc-programa'. The file explorer on the left shows the project structure, including 'Semana 8' and 'Clase\_Semana8.cs'. The code editor displays the following code:

```
1 class Clase_Semana8
2 {
3     0 referencias
4     static void Main()
5     {
6         string entrada = "123";
7
8         int edad = 25;
9         float precio = 12.20f;
10        double distancia = 12345.6789;
11        char inicial = 'J';
12        string nombre = "Ana López";
13        bool esMayorDeEdad = true;
14
15        if (int.TryParse(entrada, out int numero))
16        {
17            Console.WriteLine(numero);
18        }
19        else
20        {
21            Console.WriteLine("Conversión fallida.");
22        }
23    }
24 }
```

The terminal at the bottom shows the output of the program, which is '123'. It also displays several warnings from the compiler (CS0219) indicating that several variables are assigned but never used: 'edad', 'precio', 'distancia', 'inicial', 'nombre', and 'esMayorDeEdad'.

### 4) Concatenar datos con (+)



The screenshot shows a Visual Studio IDE with a C# project named 'pc-programa'. The file explorer on the left shows the project structure, including 'Semana 8' and 'Clase\_Semana8.cs'. The code editor displays the following code:

```
1 class Clase_Semana8
2 {
3     0 referencias
4     static void Main()
5     {
6         string entrada = "123";
7
8         int nota1 = 10, nota2 = 20, nota3 = 30, nota4 = 40 ;
9         float precio = 12.20f;
10        double distancia = 12345.6789;
11        char inicial = 'J';
12        string nombre = "Ana López";
13        bool esMayorDeEdad = true;
14
15        Console.WriteLine("Nombre: " + nombre + ", Nota: " + nota1 );
16        if (int.TryParse(entrada, out int numero))
17        {
18            Console.WriteLine(numero);
19        }
20        else
21        {
22            Console.WriteLine("Conversión fallida.");
23        }
24    }
25 }
```

The terminal at the bottom shows the output of the program, which is 'Nombre: Ana López, Nota: 10' followed by '123'. It also displays several warnings from the compiler (CS0219) indicating that several variables are assigned but never used: 'nota2', 'nota3', 'nota4', 'precio', 'distancia', 'inicial', and 'esMayorDeEdad'.

## 5) Interpolación de texto

```
Program.cs  Clase_Semana8.cs 6 X
Semana 8 > Clase_Semana8.cs > class_semana8 > Main
1 class Clase_Semana8
2 {
3     0 referencias
4     static void Main()
5     {
6         string entrada = "123";
7
8         int nota1= 10, nota2 = 20, nota3 = 30, nota4 = 40 ;
9         float precio = 12.20f;
10        double distancia = 12345.6789;
11        char inicial = 'J';
12        string nombre = "Ana López";
13        bool esMayorDeEdad = true;
14
15        Console.WriteLine("Nombre: " + nombre + ", Nota: " + nota1 );
16        Console.WriteLine($"Nombre: {nombre}, Nota2: {nota2}");
17        if (int.TryParse(entrada, out int numero))
18        {
19            Console.WriteLine(numero);
20        }
21        else
22        {
23            Console.WriteLine("Conversión fallida.");
24        }
25    }

```

PROBLEMAS SALIDA CONSOLA DE DEPURACIÓN TERMINAL PUERTOS

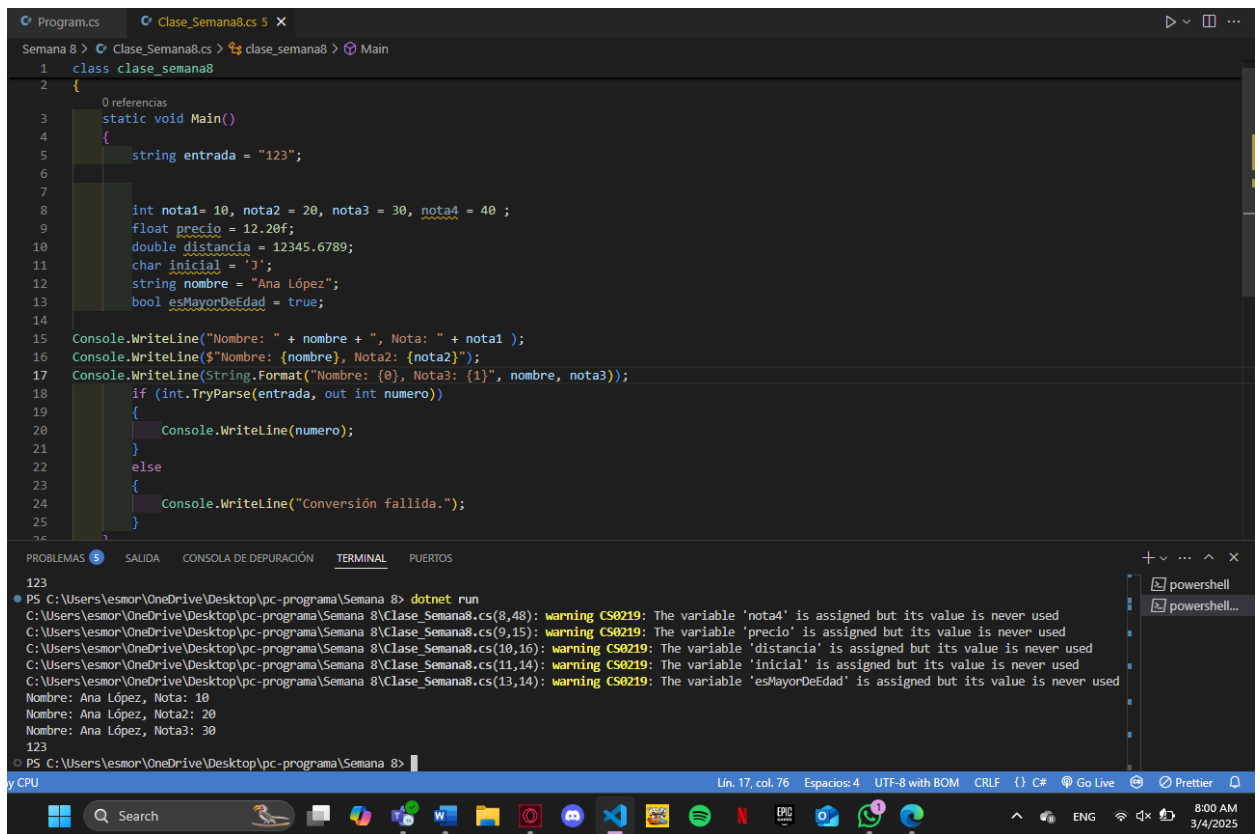
```
123
PS C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8> dotnet run
C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8\Clase_Semana8.cs(8,36): warning CS0219: The variable 'nota3' is assigned but its value is never used
C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8\Clase_Semana8.cs(8,48): warning CS0219: The variable 'nota4' is assigned but its value is never used
C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8\Clase_Semana8.cs(9,15): warning CS0219: The variable 'precio' is assigned but its value is never used
C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8\Clase_Semana8.cs(10,16): warning CS0219: The variable 'distancia' is assigned but its value is never used
C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8\Clase_Semana8.cs(11,14): warning CS0219: The variable 'inicial' is assigned but its value is never used
C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8\Clase_Semana8.cs(13,14): warning CS0219: The variable 'esMayorDeEdad' is assigned but its value is never used
Nombre: Ana López, Nota: 10
Nombre: Ana López, Nota2: 20
123
PS C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8>

```

Lin. 16, col. 52 Espacios: 4 UTF-8 with BOM CRLF {} C# Go Live Prettier

7:58 AM 3/4/2025

## 6) Concatenado con un formato



The screenshot shows a Visual Studio Code editor with a C# file named `Clase_Semana8.cs`. The code defines a class `clase_semana8` with a static `Main()` method. Inside `Main()`, several variables are declared and assigned values: `entrada` (string), `nota1`, `nota2`, `nota3`, `nota4` (ints), `precio` (float), `distancia` (double), `inicial` (char), `nombre` (string), and `esMayorDeEdad` (bool). The code then uses `Console.WriteLine` to output the values of `nombre`, `nota1`, and `nota2` using string interpolation. It also uses `String.Format` to output `nombre`, `nota3`, and `nota4`. A conditional check is performed on `entrada` using `int.TryParse`. The output window shows the results of the program execution, including the variable values and the formatted string output. The status bar at the bottom indicates the current line, column, and encoding.

```
1 class clase_semana8
2 {
3     0 referencias
4     static void Main()
5     {
6         string entrada = "123";
7
8         int nota1= 10, nota2 = 20, nota3 = 30, nota4 = 40 ;
9         float precio = 12.20f;
10        double distancia = 12345.6789;
11        char inicial = 'J';
12        string nombre = "Ana López";
13        bool esMayorDeEdad = true;
14
15        Console.WriteLine("Nombre: " + nombre + ", Nota: " + nota1 );
16        Console.WriteLine($"Nombre: {nombre}, Nota2: {nota2}");
17        Console.WriteLine(String.Format("Nombre: {0}, Nota3: {1}", nombre, nota3));
18        if (int.TryParse(entrada, out int numero))
19        {
20            Console.WriteLine(numero);
21        }
22        else
23        {
24            Console.WriteLine("Conversión fallida.");
25        }
26    }
27 }
```

PROBLEMAS 5 SALIDA CONSOLA DE DEPURACIÓN TERMINAL PUERTOS

123

PS C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8> dotnet run

C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8\Clase\_Semana8.cs(8,48): warning CS0219: The variable 'nota4' is assigned but its value is never used

C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8\Clase\_Semana8.cs(9,15): warning CS0219: The variable 'precio' is assigned but its value is never used

C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8\Clase\_Semana8.cs(10,16): warning CS0219: The variable 'distancia' is assigned but its value is never used

C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8\Clase\_Semana8.cs(11,14): warning CS0219: The variable 'inicial' is assigned but its value is never used

C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8\Clase\_Semana8.cs(13,14): warning CS0219: The variable 'esMayorDeEdad' is assigned but its value is never used

Nombre: Ana López, Nota: 10

Nombre: Ana López, Nota2: 20

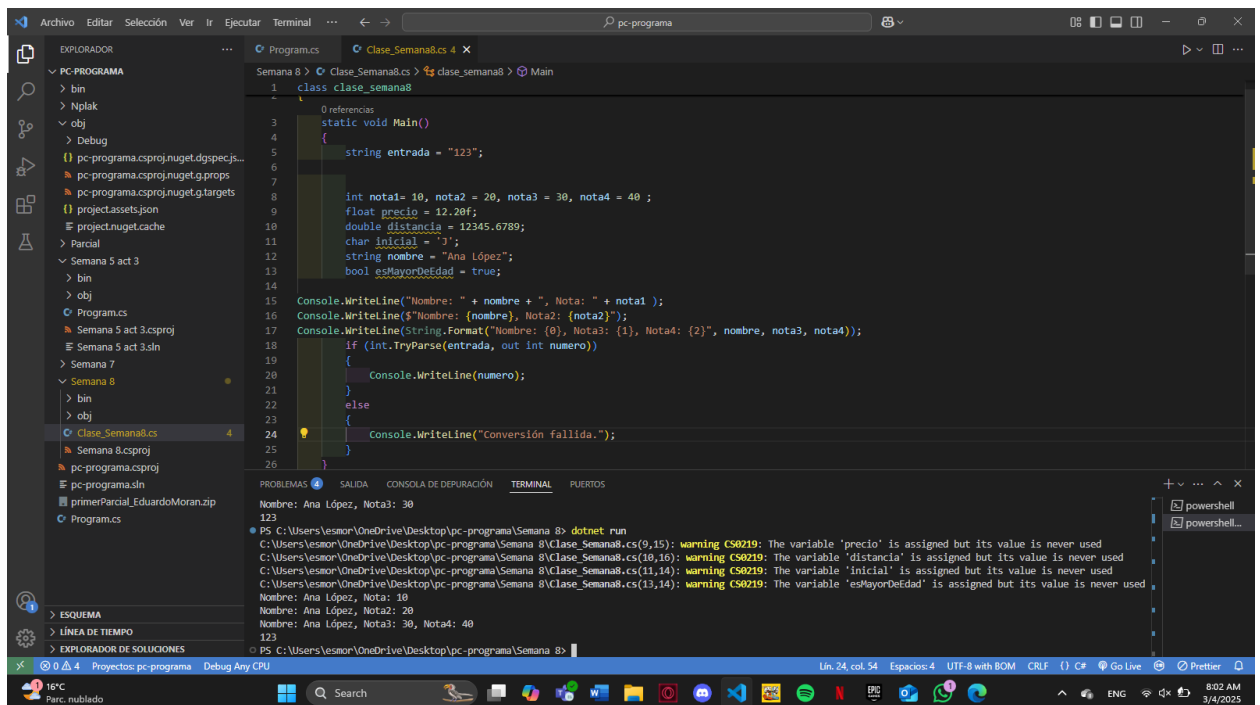
Nombre: Ana López, Nota3: 30

123

PS C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8>

Lin. 17, col. 76 Espacios: 4 UTF-8 with BOM CRLF {} C# Go Live Prettier

## 7) Ejemplo 2 de format



The screenshot shows a Visual Studio Code editor with a C# file named `Clase_Semana8.cs`. The code defines a class `clase_semana8` with a static `Main()` method. Inside `Main()`, several variables are declared and assigned values: `entrada` (string), `nota1`, `nota2`, `nota3`, `nota4` (ints), `precio` (float), `distancia` (double), `inicial` (char), `nombre` (string), and `esMayorDeEdad` (bool). The code then uses `Console.WriteLine` to output the values of `nombre`, `nota1`, and `nota2` using string interpolation. It also uses `String.Format` to output `nombre`, `nota3`, and `nota4`. A conditional check is performed on `entrada` using `int.TryParse`. The output window shows the results of the program execution, including the variable values and the formatted string output. The status bar at the bottom indicates the current line, column, and encoding.

```
1 class clase_semana8
2 {
3     0 referencias
4     static void Main()
5     {
6         string entrada = "123";
7
8         int nota1= 10, nota2 = 20, nota3 = 30, nota4 = 40 ;
9         float precio = 12.20f;
10        double distancia = 12345.6789;
11        char inicial = 'J';
12        string nombre = "Ana López";
13        bool esMayorDeEdad = true;
14
15        Console.WriteLine("Nombre: " + nombre + ", Nota: " + nota1 );
16        Console.WriteLine($"Nombre: {nombre}, Nota2: {nota2}");
17        Console.WriteLine(String.Format("Nombre: {0}, Nota3: {1}, Nota4: {2}", nombre, nota3, nota4));
18        if (int.TryParse(entrada, out int numero))
19        {
20            Console.WriteLine(numero);
21        }
22        else
23        {
24            Console.WriteLine("Conversión fallida.");
25        }
26    }
27 }
```

PROBLEMAS 5 SALIDA CONSOLA DE DEPURACIÓN TERMINAL PUERTOS

123

PS C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8> dotnet run

C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8\Clase\_Semana8.cs(9,15): warning CS0219: The variable 'precio' is assigned but its value is never used

C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8\Clase\_Semana8.cs(10,16): warning CS0219: The variable 'distancia' is assigned but its value is never used

C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8\Clase\_Semana8.cs(11,14): warning CS0219: The variable 'inicial' is assigned but its value is never used

C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8\Clase\_Semana8.cs(13,14): warning CS0219: The variable 'esMayorDeEdad' is assigned but its value is never used

Nombre: Ana López, Nota: 10

Nombre: Ana López, Nota2: 20

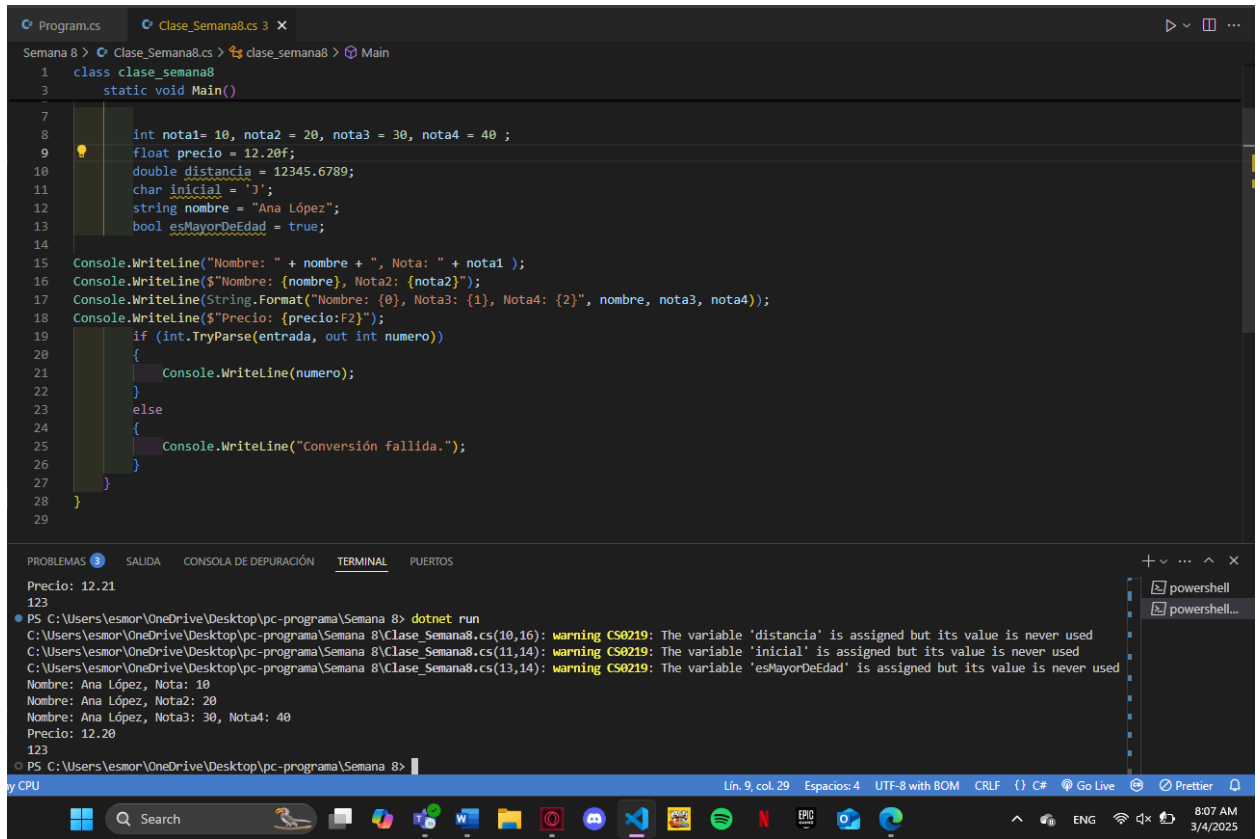
Nombre: Ana López, Nota3: 30, Nota4: 40

123

PS C:\Users\esnor\OneDrive\Desktop\pc-programa\Semana 8>

Lin. 24, col. 54 Espacios: 4 UTF-8 with BOM CRLF {} C# Go Live Prettier

## 8) CFormat numerico



The screenshot displays the Visual Studio Code editor with a C# file named `Clase_Semana8.cs`. The code defines a `class clase_semana8` with a `Main` method. Inside `Main`, several variables are declared: `nota1` (int), `nota2` (int), `nota3` (int), `nota4` (int), `precio` (float), `distancia` (double), `inicial` (char), `nombre` (string), and `esMayorDeEdad` (bool). The program then uses `Console.WriteLine` to output the values of these variables. A `tryParse` block is also present, which attempts to parse a user input into an integer and outputs it if successful, or a failure message if not.

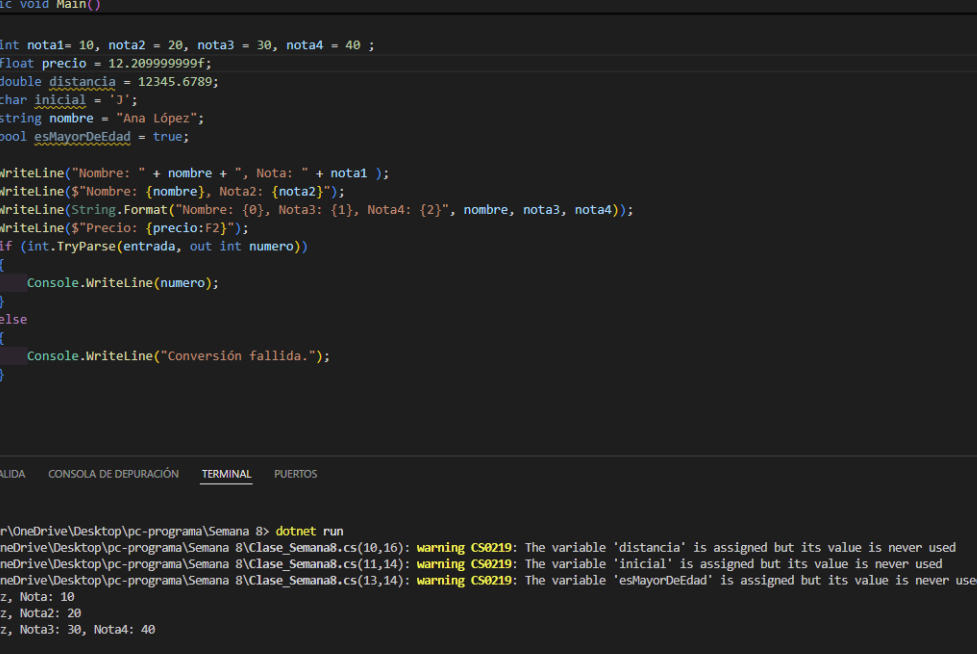
```
1 class clase_semana8
2 {
3     static void Main()
4     {
5
6         int nota1= 10, nota2 = 20, nota3 = 30, nota4 = 40 ;
7         float precio = 12.20f;
8         double distancia = 12345.6789;
9         char inicial = 'J';
10        string nombre = "Ana López";
11        bool esMayorDeEdad = true;
12
13        Console.WriteLine("Nombre: " + nombre + ", Nota: " + nota1 );
14        Console.WriteLine($"Nombre: {nombre}, Nota2: {nota2}");
15        Console.WriteLine(String.Format("Nombre: {0}, Nota3: {1}, Nota4: {2}", nombre, nota3, nota4));
16        Console.WriteLine($"Precio: {precio:F2}");
17        if (int.TryParse(entrada, out int numero))
18        {
19            Console.WriteLine(numero);
20        }
21        else
22        {
23            Console.WriteLine("Conversión fallida.");
24        }
25    }
26 }
27
28
29
```

The terminal output shows the execution of the program, displaying the values of the variables and the result of the `tryParse` operation. The output is as follows:

```
Precio: 12.21
123
PS C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8> dotnet run
C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8\Clase_Semana8.cs(10,16): warning CS0219: The variable 'distancia' is assigned but its value is never used
C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8\Clase_Semana8.cs(11,14): warning CS0219: The variable 'inicial' is assigned but its value is never used
C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8\Clase_Semana8.cs(13,14): warning CS0219: The variable 'esMayorDeEdad' is assigned but its value is never used
Nombre: Ana López, Nota: 10
Nombre: Ana López, Nota2: 20
Nombre: Ana López, Nota3: 30, Nota4: 40
Precio: 12.20
123
PS C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8>
```

The bottom of the image shows the Windows taskbar with various application icons and the system clock indicating 8:07 AM on 3/4/2025.

9) Cierta cantidad de decimales



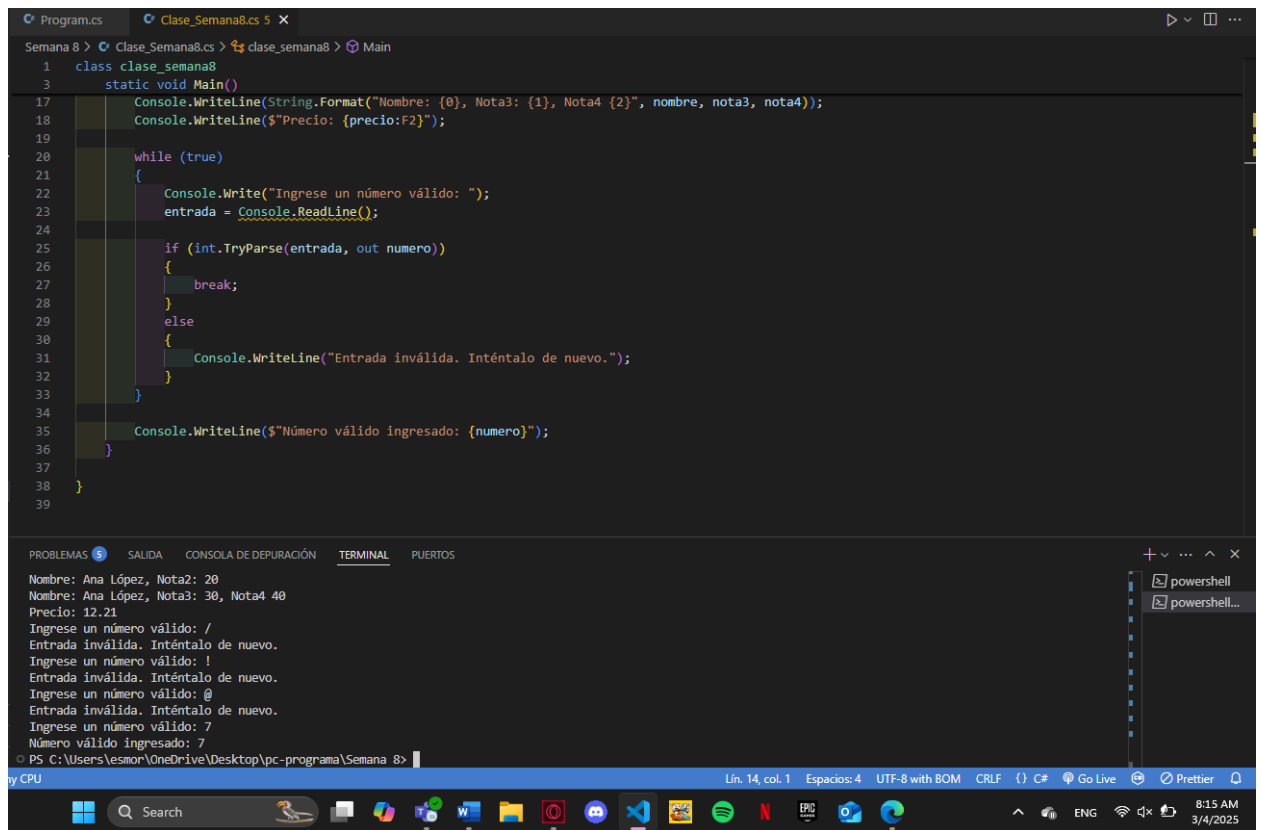
The image shows a Visual Studio Code editor window with a C# file named `Clase_Semana8.cs`. The code defines a `class` `Clase_Semana8` with a `Main` method. Inside `Main`, several variables are declared and assigned values: `nota1` to `nota4` (integers), `precio` (float), `distancia` (double), `inicial` (char), `nombre` (string), and `esMayorDeEdad` (boolean). The program then uses `Console.WriteLine` to output the values of these variables. It also includes a loop that prompts the user for input and attempts to parse it as an integer. If parsing fails, it outputs a message indicating a conversion failure.

```
1 class Clase_Semana8
2 {
3     static void Main()
4     {
5         int nota1= 10, nota2 = 20, nota3 = 30, nota4 = 40 ;
6         float precio = 12.2099999999f;
7         double distancia = 12345.6789;
8         char inicial = 'J';
9         string nombre = "Ana López";
10        bool esMayorDeEdad = true;
11
12        Console.WriteLine("Nombre: " + nombre + ", Nota: " + nota1 );
13        Console.WriteLine($"Nombre: {nombre}, Nota2: {nota2}");
14        Console.WriteLine(String.Format("Nombre: {0}, Nota3: {1}, Nota4: {2}", nombre, nota3, nota4));
15        Console.WriteLine($"Precio: {precio:F2}");
16
17        if (int.TryParse(entrada, out int numero))
18        {
19            Console.WriteLine(numero);
20        }
21        else
22        {
23            Console.WriteLine("Conversión fallida.");
24        }
25    }
26 }
```

The terminal output shows the program's execution. It displays the values of the variables: `Nombre: Ana López, Nota: 10`, `Nombre: Ana López, Nota2: 20`, `Nombre: Ana López, Nota3: 30, Nota4: 40`, and `Precio: 12.21`. It also shows the user input `123` and the program's response, which is `123`.

At the bottom of the image, a Windows taskbar is visible, showing the system clock as 8:05 AM on 3/4/2025.

## 10) Parámetros de salida



The screenshot displays a Visual Studio Code window with a C# file named `Program.cs` and a terminal window. The code defines a class `clase_semana8` with a static `Main` method. The `Main` method prints a formatted string with placeholders for a name and four notes, followed by a price. It then enters a `while` loop that prompts the user for a valid number. The terminal output shows the program's execution, including the initial output and the user's input for the number.

```
1 class clase_semana8
2 {
3     static void Main()
4     {
5         Console.WriteLine(String.Format("Nombre: {0}, Nota3: {1}, Nota4 {2}", nombre, nota3, nota4));
6         Console.WriteLine($"Precio: {precio:F2}");
7
8         while (true)
9         {
10             Console.Write("Ingrese un número válido: ");
11             entrada = Console.ReadLine();
12
13             if (int.TryParse(entrada, out numero))
14             {
15                 break;
16             }
17             else
18             {
19                 Console.WriteLine("Entrada inválida. Inténtalo de nuevo.");
20             }
21         }
22
23         Console.WriteLine($"Número válido ingresado: {numero}");
24     }
25 }
```

PROBLEMAS SALIDA CONSOLA DE DEPURACIÓN TERMINAL PUERTOS

Nombre: Ana López, Nota2: 20  
Nombre: Ana López, Nota3: 30, Nota4 40  
Precio: 12.21  
Ingrese un número válido: /  
Entrada inválida. Inténtalo de nuevo.  
Ingrese un número válido: !  
Entrada inválida. Inténtalo de nuevo.  
Ingrese un número válido: @  
Entrada inválida. Inténtalo de nuevo.  
Ingrese un número válido: 7  
Número válido ingresado: 7

PS C:\Users\esmor\OneDrive\Desktop\pc-programa\Semana 8>

Lín. 14, col. 1 Espacios: 4 UTF-8 with BOM CRLF () C# Go Live Prettier

8:15 AM 3/4/2025