

Evan Jeremias Aquino Olivares

1)

```
1 class Class_semana8
2 {
3     static void Main()
4     {
5         string entrada = "123";
6         if (int.TryParse(entrada, out int numero))
7         {
8             Console.WriteLine(numero);
9         }
10        else
11        {
12            Console.WriteLine("Conversión fallida.");
13        }
14    }
15 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8> dotnet new console
The template "Console App" was created successfully.

Processing post-creation actions...

Restoring C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Semana 8.csproj:
Restore succeeded.

PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8> dotnet run
CSC : error CS5001: Program does not contain a static 'Main' method suitable for an entry point

The build failed. Fix the build errors and run again.

PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8> dotnet run
123

PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8> []

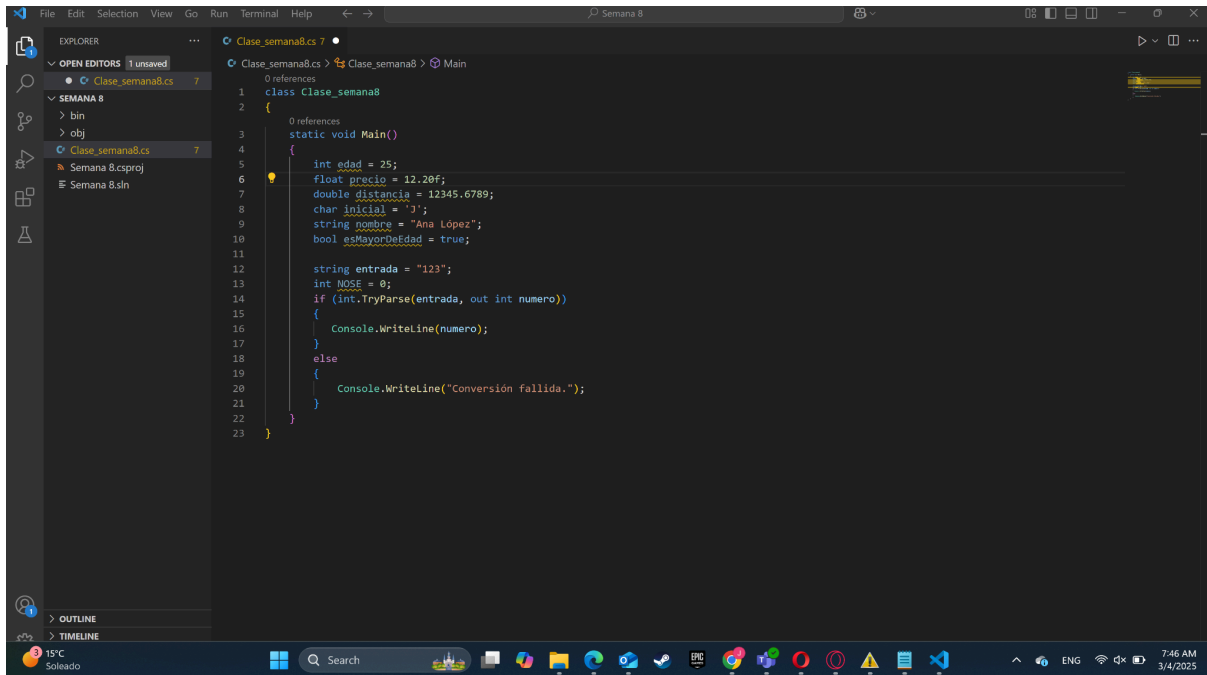
2)

```
1 class Class_semana8
2 {
3     static void Main()
4     {
5         int edad = 25;
6         float precio = 12.20;
7         double distancia = 12345.6789;
8         char inicial = 'J';
9         string nombre = "Ana López";
10        bool esMayorDeEdad = true;
11    }
12
13    static void Main()
14    {
15        string entrada = "123";
16        int MOSE = 0;
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 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8> dotnet run
123

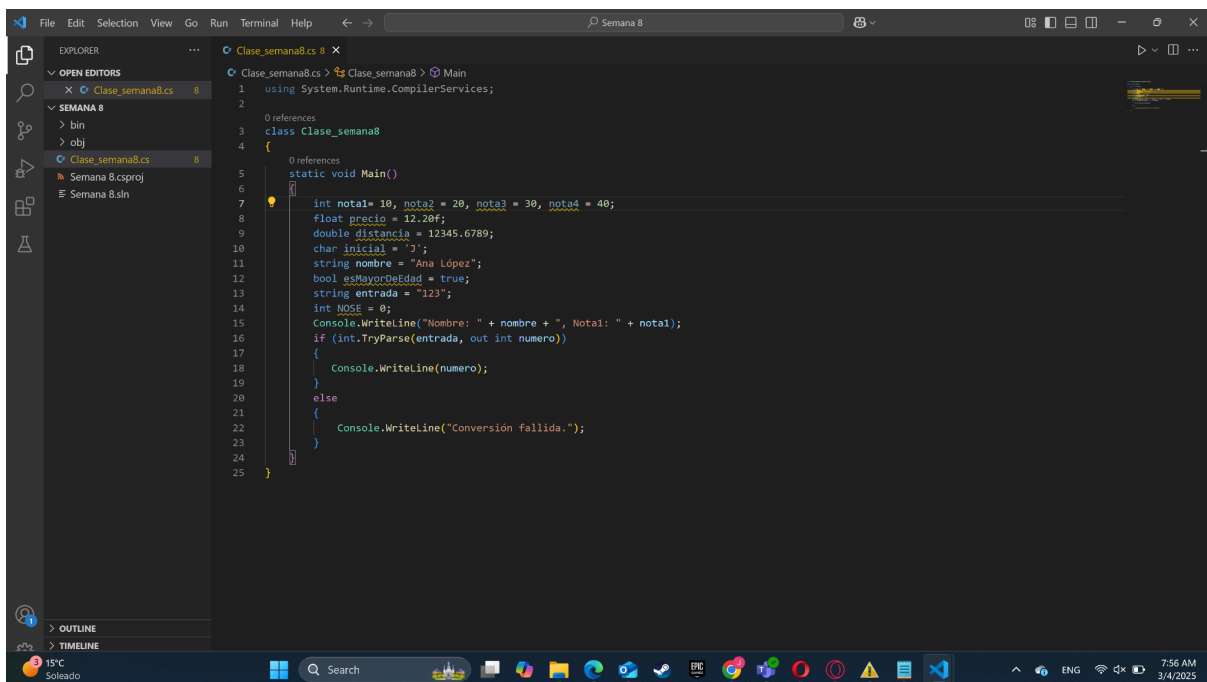
3)



```
1 class Clase_semana8
2 {
3     static void Main()
4     {
5         int edad = 25;
6         float precio = 12.20f;
7         double distancia = 12345.6789;
8         char inicial = 'J';
9         string nombre = "Ana López";
10        bool esMayorDeEdad = true;
11
12        string entrada = "123";
13        int NOSE = 0;
14        if (int.TryParse(entrada, out int numero))
15        {
16            Console.WriteLine(numero);
17        }
18        else
19        {
20            Console.WriteLine("Conversión fallida.");
21        }
22    }
23 }
```

Float necesita la f por que al momento de declararla lo interpreta como double por lo que cree que es innecesario.

4)



```
1 using System.Runtime.CompilerServices;
2
3 class Clase_semana8
4 {
5     static void Main()
6     {
7         int notal= 10, nota2 = 20, nota3 = 30, nota4 = 40;
8         float precio = 12.20f;
9         double distancia = 12345.6789;
10        char inicial = 'J';
11        string nombre = "Ana López";
12        bool esMayorDeEdad = true;
13        string entrada = "123";
14        int NOSE = 0;
15        Console.WriteLine("Nombre: " + nombre + ", Notal: " + notal);
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 }
```

5) interpolación de texto

```
using System.Runtime.CompilerServices;

class Clase_semana8
{
    static void Main()
    {
        int nota1= 10, nota2 = 20, nota3 = 30, nota4 = 40;
        float precio = 12.20f;
        double distancia = 12345.6789;
        char inicial = 'J';
        string nombre = "Ana López";
        bool esMayorDeEdad = true;
        string entrada = "123";
        int NOSE = 0;
        Console.WriteLine("Nombre: " + nombre + ", Nota1: " + nota1);
        Console.WriteLine($"Nombre: {nombre}, Nota2: {nota2}");
        if (int.TryParse(entrada, out int numero))
        {
            Console.WriteLine(numero);
        }
    }
}
```

PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8> dotnet run
CSC : error CS5001: Program does not contain a static 'Main' method suitable for an entry point

The build failed. Fix the build errors and run again.

PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8> dotnet run
123

PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8> dotnet run
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(7,24): warning CS0219: The variable 'nota2' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(7,36): warning CS0219: The variable 'nota3' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(7,48): warning CS0219: The variable 'nota4' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(8,15): warning CS0219: The variable 'precio' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(9,16): warning CS0219: The variable 'distancia' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(10,14): warning CS0219: The variable 'inicial' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(12,14): warning CS0219: The variable 'esMayorDeEdad' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(14,13): warning CS0219: The variable 'NOSE' is assigned but its value is never used
Nombre: Ana López, Nota1: 10

6)String Format

```
using System.Runtime.CompilerServices;

class Clase_semana8
{
    static void Main()
    {
        int nota1= 10, nota2 = 20, nota3 = 30, nota4 = 40;
        float precio = 12.20f;
        double distancia = 12345.6789;
        char inicial = 'J';
        string nombre = "Ana López";
        bool esMayorDeEdad = true;
        string entrada = "123";
        int NOSE = 0;
        Console.WriteLine("Nombre: " + nombre + ", Nota1: " + nota1);
        Console.WriteLine($"Nombre: {nombre}, Nota2: {nota2}");
        Console.WriteLine(String.Format("Nombre: {0}, Nota3: {1}", nombre, nota3));
        if (int.TryParse(entrada, out int numero))
        {
            Console.WriteLine(numero);
        }
        else
        {
            Console.WriteLine(numero);
        }
    }
}
```

C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(8,15): warning CS0219: The variable 'precio' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(9,16): warning CS0219: The variable 'distancia' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(10,14): warning CS0219: The variable 'inicial' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(12,14): warning CS0219: The variable 'esMayorDeEdad' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(14,13): warning CS0219: The variable 'NOSE' is assigned but its value is never used
Nombre: Ana López, Nota1: 10

PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8> dotnet run
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(7,48): warning CS0219: The variable 'nota4' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(8,15): warning CS0219: The variable 'precio' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(9,16): warning CS0219: The variable 'distancia' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(10,14): warning CS0219: The variable 'inicial' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(12,14): warning CS0219: The variable 'esMayorDeEdad' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(14,13): warning CS0219: The variable 'NOSE' is assigned but its value is never used
Nombre: Ana López, Nota1: 10
Nombre: Ana López, Nota3: 20

7) Otra forma String Format

The screenshot shows the Visual Studio IDE with the file `Clase_semana8.cs` open. The code defines a class `Clase_semana8` with a static method `Main`. The method initializes a variable `NOSE` to 0 and uses `Console.WriteLine` to display a formatted string. It then uses `String.Format` to format a string with values from `entrada` and `numero`. The terminal output shows the execution results, including warnings about unused variables and the formatted output.

```
14 static void Main()
15 {
16     int NOSE = 0;
17     Console.WriteLine("Nombre: " + nombre + ", Notal: " + notal);
18     Console.WriteLine($"Nombre: {nombre}, Notal: {notal}");
19     Console.WriteLine(String.Format("Nombre: {0}, Notal: {1}, Nota4 {2}", nombre, notal, nota4));
20     if (int.TryParse(entrada, out int numero))
21     {
22         Console.WriteLine(numero);
23     }
24     else
25     {
26         Console.WriteLine("Conversión fallida.");
27     }
28 }
```

Terminal Output:

```
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(9,16): warning CS0219: The variable 'distancia' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(10,14): warning CS0219: The variable 'inicial' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(12,14): warning CS0219: The variable 'esMayorDeEdad' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(14,13): warning CS0219: The variable 'NOSE' is assigned but its value is never used
Nombre: Ana López, Notal: 10
Nombre: Ana López, Notal: 20
Nombre: Ana López, Notal: 30
123
PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8> dotnet run
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(8,15): warning CS0219: The variable 'precio' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(9,16): warning CS0219: The variable 'distancia' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(10,14): warning CS0219: The variable 'inicial' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(12,14): warning CS0219: The variable 'esMayorDeEdad' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(14,13): warning CS0219: The variable 'NOSE' is assigned but its value is never used
Nombre: Ana López, Notal: 10
Nombre: Ana López, Notal: 20
Nombre: Ana López, Notal: 30, Nota4 40
123
```

8)

The screenshot shows the Visual Studio IDE with the file `Clase_semana8.cs` open. The code defines a class `Clase_semana8` with a static method `Main`. The method initializes several variables: `notal1`, `notal2`, `notal3`, `notal4`, `precio`, `distancia`, `inicial`, `nombre`, `esMayorDeEdad`, and `entrada`. It then uses `Console.WriteLine` to display a formatted string with values from these variables. The terminal output shows the execution results, including warnings about unused variables and the formatted output.

```
2
3 0 references
4 class Clase_semana8
5 {
6     0 references
7     static void Main()
8     {
9         int notal1 = 10, notal2 = 20, notal3 = 30, notal4 = 40;
10        float precio = 12.209999f;
11        double distancia = 12345.6789;
12        char inicial = 'J';
13        string nombre = "Ana López";
14        bool esMayorDeEdad = true;
15        string entrada = "123";
16        int NOSE = 0;
17        Console.WriteLine("Nombre: " + nombre + ", Notal: " + notal);
18        Console.WriteLine($"Nombre: {nombre}, Notal: {notal}");
19        Console.WriteLine(String.Format("Nombre: {0}, Notal: {1}, Nota4 {2}", nombre, notal, nota4));
20        Console.WriteLine($"Precio: {precio:F2}");
21        if (int.TryParse(entrada, out int numero))
22        {
23            Console.WriteLine(numero);
24        }
25        else
26        {
27            Console.WriteLine("Conversión fallida.");
28        }
29    }
30 }
```

Terminal Output:

```
Nombre: Ana López, Notal: 20
Nombre: Ana López, Notal: 30, Nota4 40
123
PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8> dotnet run
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(9,16): warning CS0219: The variable 'distancia' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(10,14): warning CS0219: The variable 'inicial' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(12,14): warning CS0219: The variable 'esMayorDeEdad' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(14,13): warning CS0219: The variable 'NOSE' is assigned but its value is never used
Nombre: Ana López, Notal: 10
Nombre: Ana López, Notal: 20
Nombre: Ana López, Notal: 30, Nota4 40
Precio: 12.21
123
```

9)

The image shows a Visual Studio Code editor with a C# project named 'Semana 8'. The file 'Clase_semana8.cs' is open, showing the following code:

```

3  class Clase_semana8
5  {
6      static void Main()
7      {
8          Console.WriteLine($"Nombre: {nombre}, Nota1: {nota2}");
9          Console.WriteLine(String.Format("Nombre: {0}, Nota3: {1}, Nota4 {2}", nombre, nota3, nota4));
10         Console.WriteLine($"Precio: {precio:F2}");
11
12         while (true)
13         {
14             Console.WriteLine("Ingrese un número válido: ");
15             entrada = Console.ReadLine();
16
17             if (int.TryParse(entrada, out numero))
18             {
19                 break;
20             }
21             else
22             {
23                 Console.WriteLine("Entrada inválida. Inténtalo de nuevo.");
24             }
25         }
26
27         Console.WriteLine($"Número válido ingresado: {numero}");
28     }
29 }

```

The terminal output shows the execution of the program with the following input and output:

```

PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8> dotnet run
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(25,23): warning CS8600: Converting null literal or possible null value to non-nullable type.
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(9,16): warning CS0219: The variable 'distancia' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(10,14): warning CS0219: The variable 'inicial' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(12,14): warning CS0219: The variable 'esMayorDeEdad' is assigned but its value is never used
C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8\Clase_semana8.cs(14,17): warning CS0219: The variable 'salario' is assigned but its value is never used
Nombre: Ana López, Nota1: 10
Nombre: Ana López, Nota3: 20
Nombre: Ana López, Nota3: 30, Nota4 40
Precio: 12.21
Ingrese un número válido: 12
Número válido ingresado: 12
PS C:\Users\jerea\OneDrive\Documents\PC-08\Semana 8>

```