

Pensamiento Computacional

Sección 8

Semana 9 Actividad 3

Byron de León

1095625

1.

The screenshot shows a Visual Studio Code editor with a file named `ClaseSemana9.cs`. The code defines a method `DisplayWeatherReport` that takes a `double tempInCelsius` parameter. It uses an `if` statement to check if the temperature is less than 20.0. If true, it prints "Cold."; otherwise, it prints "Perfect!". The terminal at the bottom shows the command `dotnet new console` being executed, followed by `dotnet run`, which produces the output "Cold." and "Perfect!".

```
1 DisplayWeatherReport(15.0); // Output: Cold.
2 DisplayWeatherReport(24.0); // Output: Perfect!
3
4 void DisplayWeatherReport(double tempInCelsius)
5 {
6     if (tempInCelsius < 20.0)
7     {
8         Console.WriteLine("Cold.");
9     }
10    else
11    {
12        Console.WriteLine("Perfect!");
13    }
14 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9> dotnet new console  
La plantilla "Aplicación de consola" se creó correctamente.

Procesando acciones posteriores a la creación...  
Restaurando c:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9\s9.csproj:  
Restauración realizada correctamente.

PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9> dotnet run  
Cold.  
Perfect!

PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9>

Ln 14, Col 2 Spaces: 4 UTF-8 with BOM CRLF {} C#

2.

The screenshot shows a Visual Studio Code editor with a file named `ClaseSemana9.cs`. The code defines a method `DisplayCharacter` that takes a `char ch` parameter. It uses a series of `if` statements to check the character type: uppercase letter, lowercase letter, digit, or not alphanumeric. The terminal at the bottom shows the command `dotnet run` being executed, which produces the output "A lowercase letter: f", "An uppercase letter: R", "A digit: 8", and "Not alphanumeric character: ,".

```
4 DisplayCharacter(','); // Output: Not alphanumeric character: ,
5
6 void DisplayCharacter(char ch)
7 {
8     if (char.IsUpper(ch))
9     {
10        Console.WriteLine($"An uppercase letter: {ch}");
11    }
12    else if (char.IsLower(ch))
13    {
14        Console.WriteLine($"A lowercase letter: {ch}");
15    }
16    else if (char.IsDigit(ch))
17    {
18        Console.WriteLine($"A digit: {ch}");
19    }
20    else
21    {
22        Console.WriteLine($"Not alphanumeric character: {ch}");
23    }
24 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Restauración realizada correctamente.

PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9> dotnet run  
Cold.  
Perfect!

PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9> dotnet run  
A lowercase letter: f  
An uppercase letter: R  
A digit: 8  
Not alphanumeric character: ,

PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9>

Ln 24, Col 2 Spaces: 4 UTF-8 with BOM CRLF {} C#

3.

```

ClaseSemana9.cs
6 void DisplayMeasurement(double measurement)
8     switch (measurement)
10     {
11         case < 0.0:
12             break;
13
14         case > 15.0:
15             Console.WriteLine($"Measured value is {measurement}; too high.");
16             break;
17
18         case double.NaN:
19             Console.WriteLine("Failed measurement.");
20             break;
21
22         default:
23             Console.WriteLine($"Measured value is {measurement}.");
24             break;
25     }
26 }

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```

Perfect!
PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9> dotnet run
A lowercase letter: f
An uppercase letter: R
A digit: 8
Not alphanumeric character: ,
PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9> dotnet run
Measured value is -4; too low.
Measured value is 5.
Measured value is 30; too high.
Failed measurement.
PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9>

```

Ln 26, Col 2 Spaces: 4 UTF-8 with BOM CRLF {} C#

Búsqueda

7:51 AM 3/14/2025

4.

```

c# Copiar
// Code sample 1
bool flag = true;
int value;

if (flag)
{
    value = 10;
    Console.WriteLine($"Inside the code block: {value}");
}

Console.WriteLine($"Outside the code block: {value}");

```

```

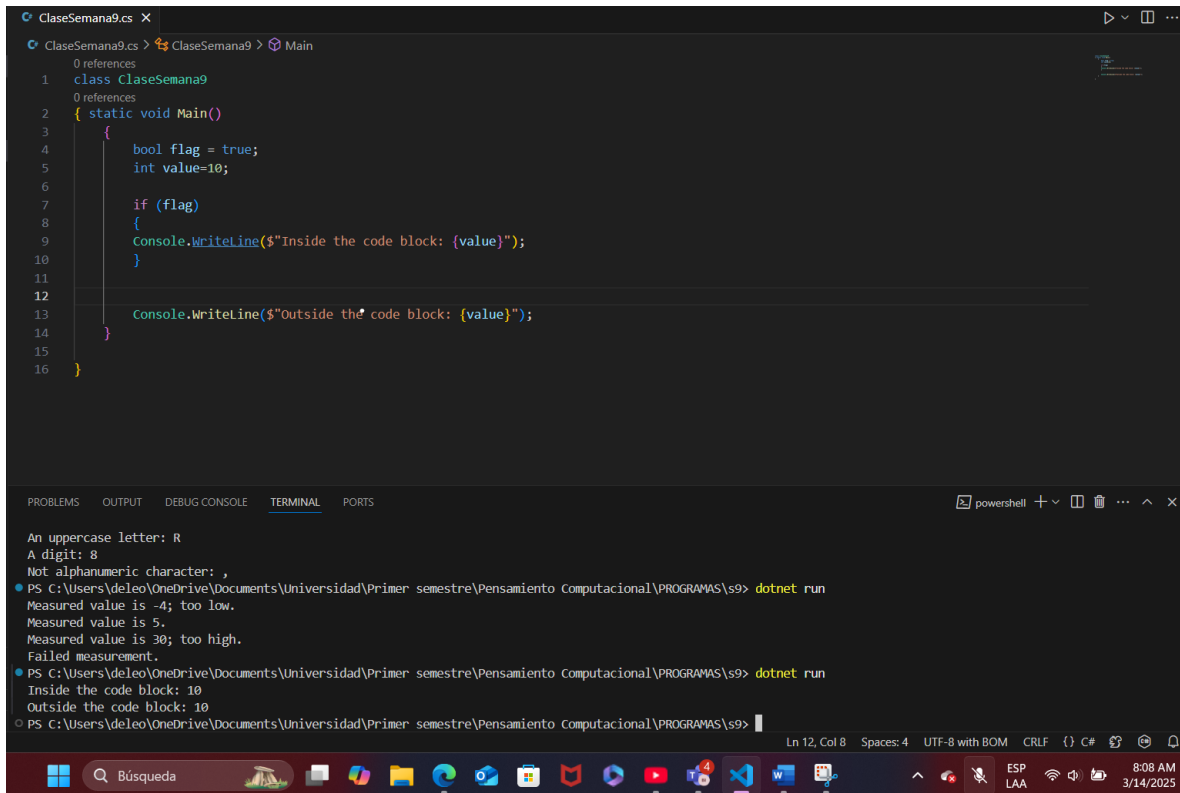
c# Copiar
// Code sample 2
int value;

if (true)
{
    value = 10;
    Console.WriteLine($"Inside the code block: {value}");
}

Console.WriteLine($"Outside the code block: {value}");

```

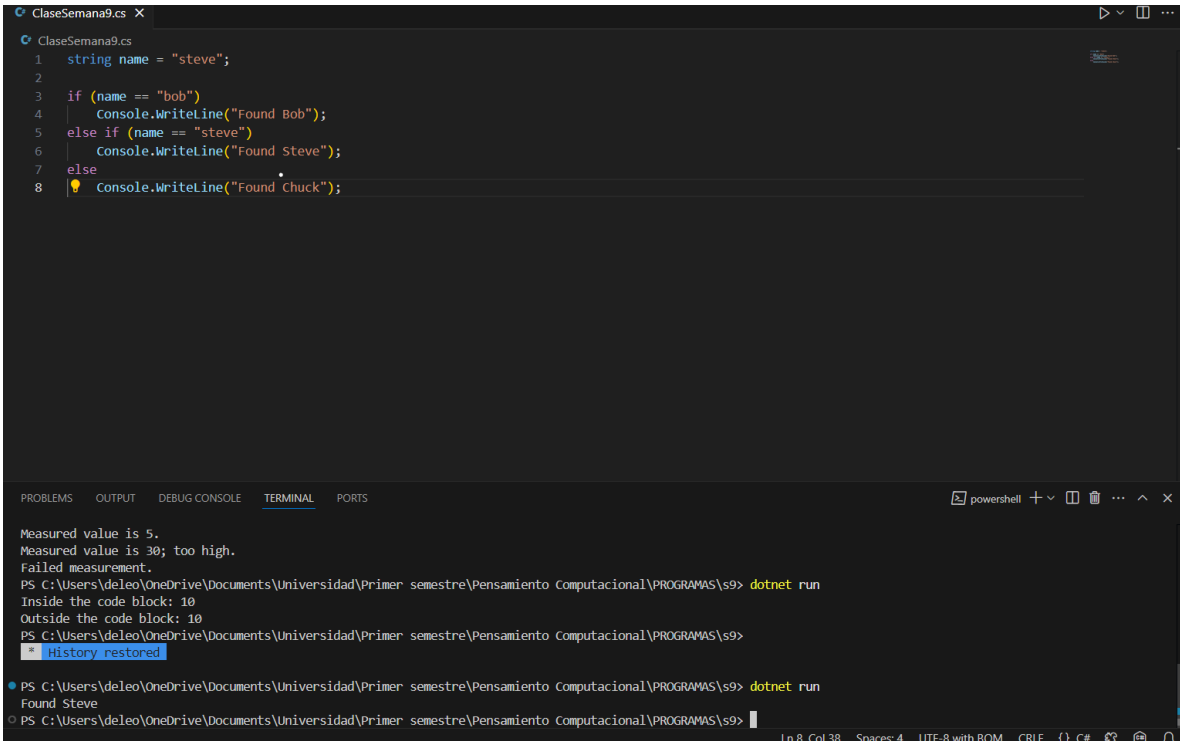
5.



```
ClaseSemana9.cs X
ClaseSemana9 > ClaseSemana9 > Main
0 references
1 class ClaseSemana9
2 {
3     static void Main()
4     {
5         bool flag = true;
6         int value=10;
7
8         if (flag)
9         {
10             Console.WriteLine($"Inside the code block: {value}");
11         }
12
13         Console.WriteLine($"Outside the code block: {value}");
14     }
15 }
16 }

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
An uppercase letter: R
A digit: 8
Not alphanumeric character: ,
PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9> dotnet run
Measured value is -4; too low.
Measured value is 5.
Measured value is 30; too high.
Failed measurement.
PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9> dotnet run
Inside the code block: 10
Outside the code block: 10
PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9>
```

6.



```
ClaseSemana9.cs X
ClaseSemana9
1 string name = "steve";
2
3 if (name == "bob")
4 {
5     Console.WriteLine("Found Bob");
6 }
7 else if (name == "steve")
8 {
9     Console.WriteLine("Found Steve");
10 }
11 else
12 {
13     Console.WriteLine("Found Chuck");
14 }

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Measured value is 5.
Measured value is 30; too high.
Failed measurement.
PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9> dotnet run
Inside the code block: 10
Outside the code block: 10
PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9>
History restored
PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9> dotnet run
Found Steve
PS C:\Users\deleo\OneDrive\Documents\Universidad\Primer semestre\Pensamiento Computacional\PROGRAMAS\s9>
```