

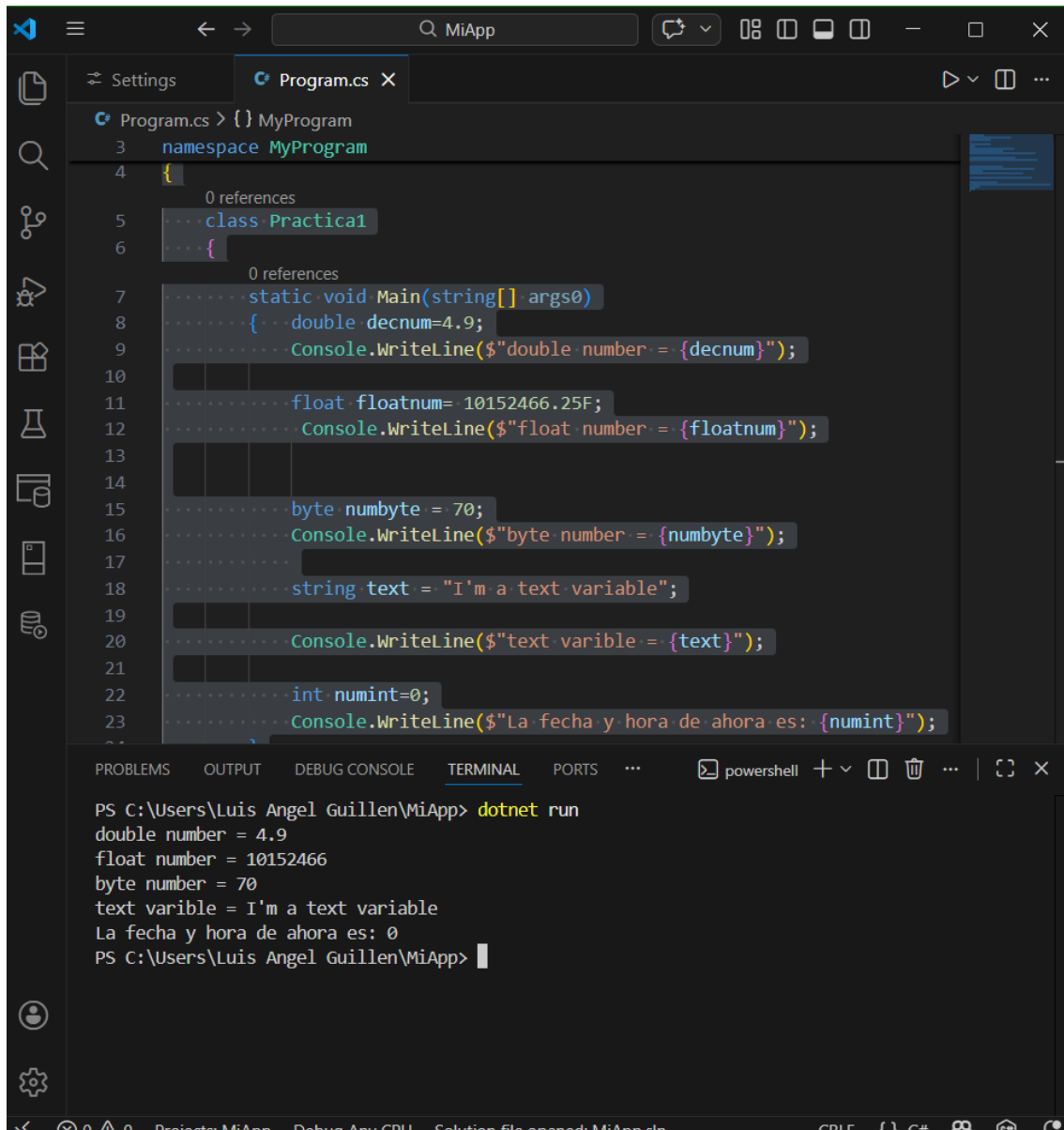
C# tarea inicial

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

```
2. using System;
3. using System.Runtime.InteropServices;
4. namespace MyProgram
5. {
6.     class Practica1
7.     {
8.         static void Main(string[] args0)
9.         {   double decnum=4.9;
10.            Console.WriteLine($"double number = {decnum}");
11.
12.            float floatnum= 10152466.25F;
13.            Console.WriteLine($"float number = {floatnum}");
14.
15.            byte numbyte = 70;
16.            Console.WriteLine($"byte number = {numbyte}");
17.
18.            string text = "I'm a text variable";
19.
20.            Console.WriteLine($"text variable = {text}");
21.
22.            int numint=0;
23.            Console.WriteLine($"La fecha y hora de ahora es:
24.                {numint}");
25.        }
26. }
```

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The screenshot shows the Visual Studio IDE with a C# file named `Program.cs` open. The code defines a namespace `MyProgram` and a class `Practical1` with a `Main` method. The `Main` method declares and prints values for `double`, `float`, `byte`, `string`, and `int`. Below the code editor, the `TERMINAL` window shows the output of the program after running `dotnet run`.

```
3 namespace MyProgram
4 {
5     0 references
6     class Practical1
7     {
8         0 references
9         static void Main(string[] args0)
10        {
11            double decnum=4.9;
12            Console.WriteLine($"double number = {decnum}");
13
14            float floatnum= 10152466.25F;
15            Console.WriteLine($"float number = {floatnum}");
16
17            byte numbyte = 70;
18            Console.WriteLine($"byte number = {numbyte}");
19
20            string text = "I'm a text variable";
21            Console.WriteLine($"text variable = {text}");
22
23            int numint=0;
24            Console.WriteLine($"La fecha y hora de ahora es: {numint}");
25        }
26    }
27 }
```

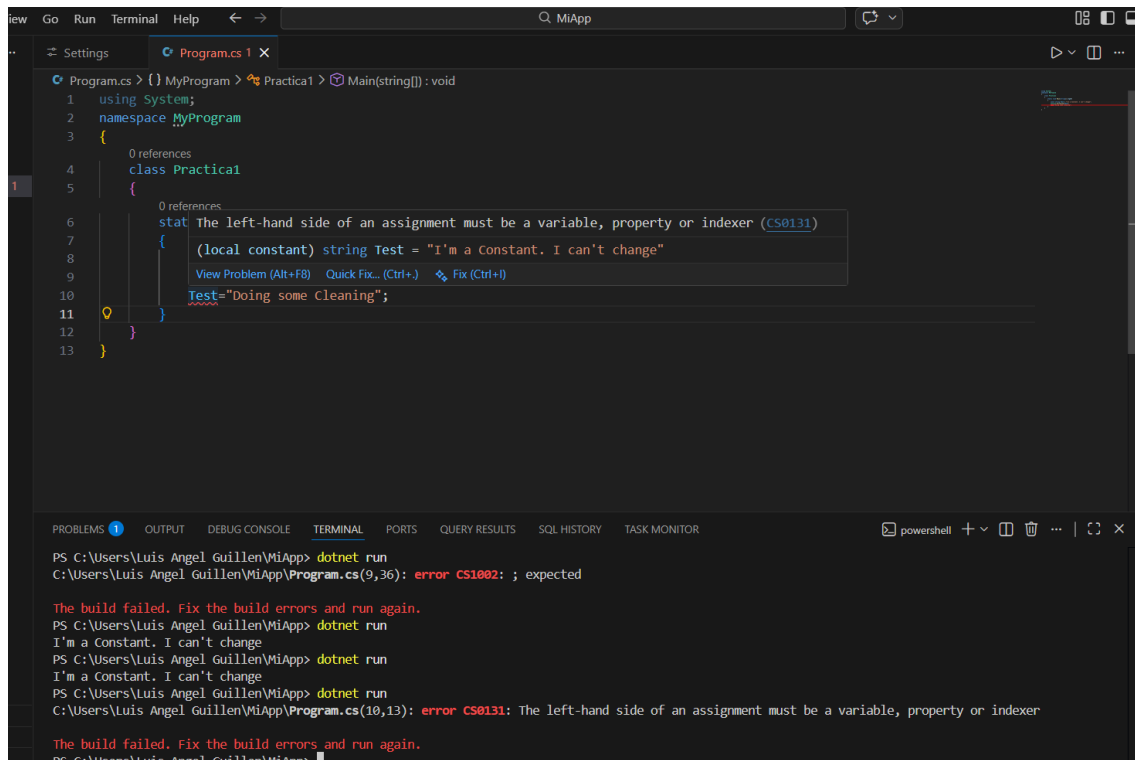
```
PS C:\Users\Luis Angel Guillen\MiApp> dotnet run
double number = 4.9
float number = 10152466
byte number = 70
text variable = I'm a text variable
La fecha y hora de ahora es: 0
PS C:\Users\Luis Angel Guillen\MiApp>
```

27. 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.

```
28.using System;
29.namespace MyProgram
30.{
31.    class Practical1
32.    {
33.        static void Main(string[] args0)
34.        {
35.            const string Test = "I'm a Constant. I can't change";
36.            Console.WriteLine(Test);
37.            Test="Doing some Cleaning";
38.        }
39.    }
40.}
```

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```
39.    }  
40. }
```

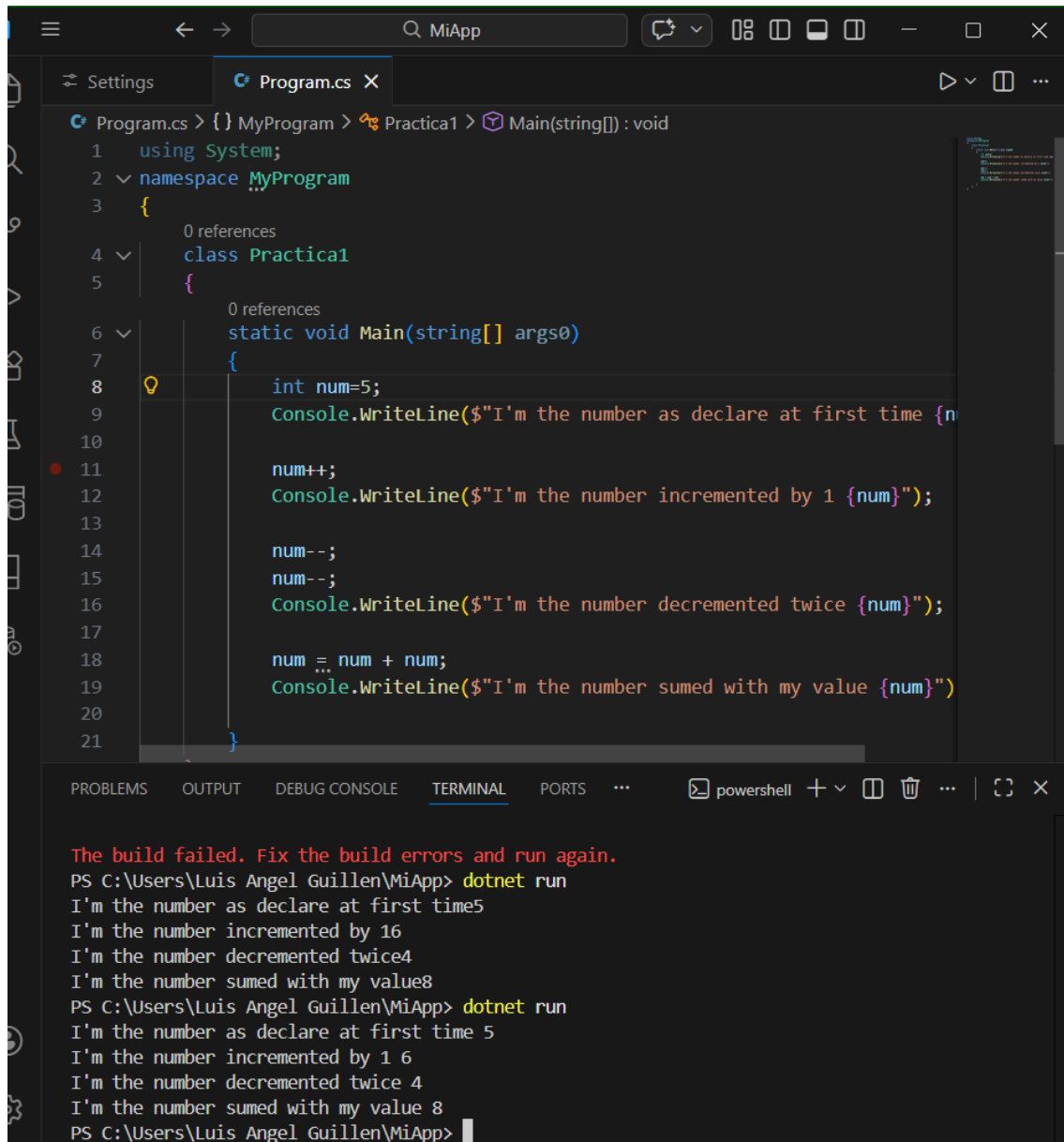


41. Declara un entero, incrementarlo, decrementarlo, hacer operaciones con el.

```
42.using System;  
43.namespace MyProgram  
44.{  
45.    class Practical1  
46.    {  
47.        static void Main(string[] args0)  
48.        {  
49.            int num=5;  
50.            Console.WriteLine($"I'm the number as declare at first  
time{num}");  
51.  
52.            num++;  
53.            Console.WriteLine($"I'm the number incremented by  
1{num}");  
54.  
55.            num--;  
56.            num--;  
57.            Console.WriteLine($"I'm the number decremented  
twice{num}");  
58.  
59.            num = num + num;  
60.            Console.WriteLine($"I'm the number sumed with my  
value{num}");  
}
```

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```
61.  
62.    }  
63. }  
64. }
```



The screenshot shows the Visual Studio IDE with a C# project named 'MiApp'. The code editor displays the following code in 'Program.cs':

```
1 using System;  
2 namespace MyProgram  
3 {  
4     0 references  
5     class Practica1  
6     {  
7         0 references  
8         static void Main(string[] args0)  
9         {  
10             int num=5;  
11             Console.WriteLine($"I'm the number as declare at first time {num}");  
12             num++;  
13             Console.WriteLine($"I'm the number incremented by 1 {num}");  
14             num--;  
15             num--;  
16             Console.WriteLine($"I'm the number decremented twice {num}");  
17             num = num + num;  
18             Console.WriteLine($"I'm the number sumed with my value {num}");  
19         }  
20     }  
21 }
```

The bottom of the image shows the 'TERMINAL' tab with the following output:

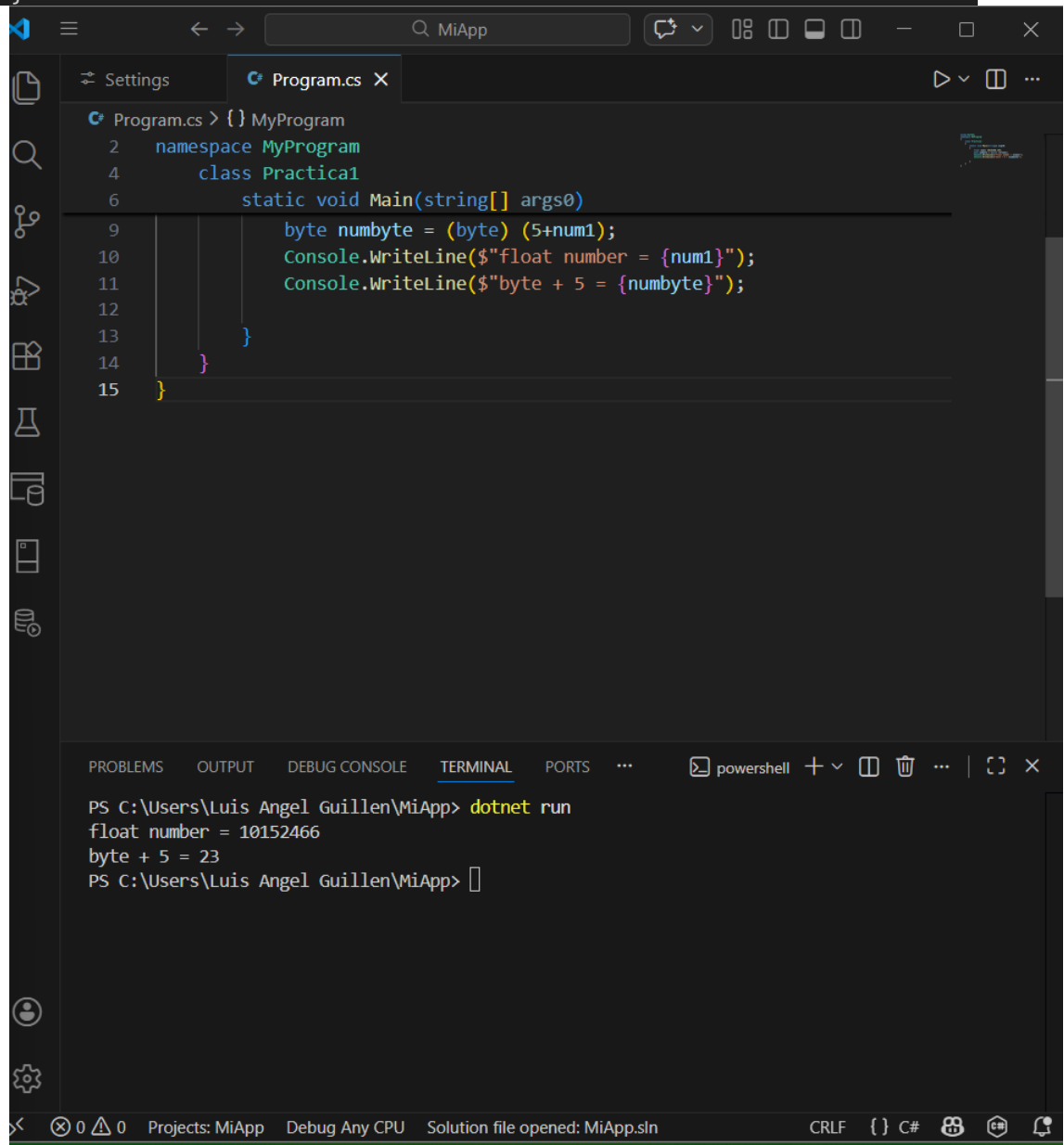
```
The build failed. Fix the build errors and run again.  
PS C:\Users\Luis Angel Guillen\MiApp> dotnet run  
I'm the number as declare at first time5  
I'm the number incremented by 16  
I'm the number decremented twice4  
I'm the number sumed with my value8  
PS C:\Users\Luis Angel Guillen\MiApp> dotnet run  
I'm the number as declare at first time 5  
I'm the number incremented by 1 6  
I'm the number decremented twice 4  
I'm the number sumed with my value 8  
PS C:\Users\Luis Angel Guillen\MiApp>
```

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

```
66.using System;  
67.namespace MyProgram  
68.{  
69.    class Practica1  
70.    {  
71.        static void Main(string[] args0)  
72.        {  
73.            float num1= 10152466.25F;  
74.            byte numbyte = (byte) (5+num1);
```

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```
75.         Console.WriteLine($"float number = {num1}");
76.         Console.WriteLine($"byte + 5 = {numbyte}");
77.
78.     }
79. }
80. }
```



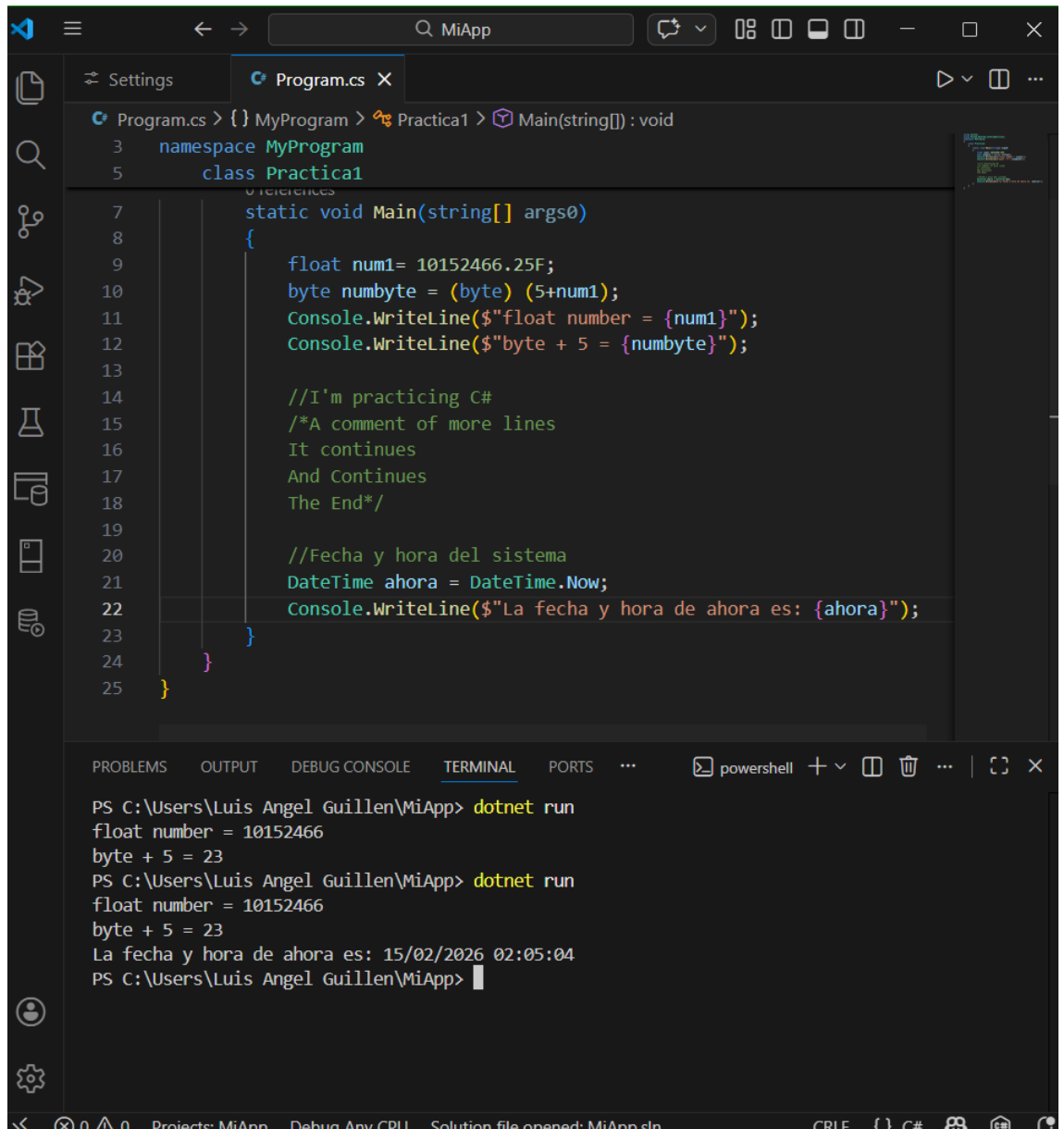
81. Adjuntar comentario de una y de varias líneas un su código. Imprimir la fecha y hora d el sistema.

```
82.using System;
83.using System.Runtime.InteropServices;
84.namespace MyProgram
85.{
86.    class Practica1
87.    {
88.        static void Main(string[] args)
89.        {
```

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```
90.         float num1= 10152466.25F;
91.         byte numbyte = (byte) (5+num1);
92.         Console.WriteLine($"float number = {num1}");
93.         Console.WriteLine($"byte + 5 = {numbyte}");
94.
95.         //I'm practicing C#
96.         /*A comment of more lines
97.         It continues
98.         And Continues
99.         The End*/
100.
101.         //Fecha y hora del sistema
102.         DateTime ahora = DateTime.Now;
103.         Console.WriteLine($"La fecha y hora de ahora es:
    {ahora}");
104.     }
105. }
106. }
```

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The screenshot displays the Visual Studio IDE with a C# program named `Program.cs` open. The code defines a `MyProgram` namespace and a `Practica1` class with a `Main` method. The `Main` method performs several operations: it initializes a float `num1` to `10152466.25F`, converts it to a byte `numbyte`, and prints both values. It also includes a multi-line comment and prints the current date and time. The terminal at the bottom shows the output of running the program twice, confirming the calculations and the date/time output.

```
Program.cs > {} MyProgram > Practica1 > Main(string[]) : void
3 namespace MyProgram
5 class Practica1
6 {
7     static void Main(string[] args0)
8     {
9         float num1= 10152466.25F;
10        byte numbyte = (byte) (5+num1);
11        Console.WriteLine($"float number = {num1}");
12        Console.WriteLine($"byte + 5 = {numbyte}");
13
14        //I'm practicing C#
15        /*A comment of more lines
16        It continues
17        And Continues
18        The End*/
19
20        //Fecha y hora del sistema
21        DateTime ahora = DateTime.Now;
22        Console.WriteLine($"La fecha y hora de ahora es: {ahora}");
23    }
24 }
25 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS ... powershell + - [X] [X] [X] [X]

```
PS C:\Users\Luis Angel Guillen\MiApp> dotnet run
float number = 10152466
byte + 5 = 23
PS C:\Users\Luis Angel Guillen\MiApp> dotnet run
float number = 10152466
byte + 5 = 23
La fecha y hora de ahora es: 15/02/2026 02:05:04
PS C:\Users\Luis Angel Guillen\MiApp>
```

0 0 Projects: MiApp Debug Any CPU Solution file opened: MiApp.sln CRLF {} C# [X] [X] [X] [X]