

1. why the output of this Equation = \$30.00?

Because of the use of the C: currency format specifier it adds the correct currency symbol (\$)

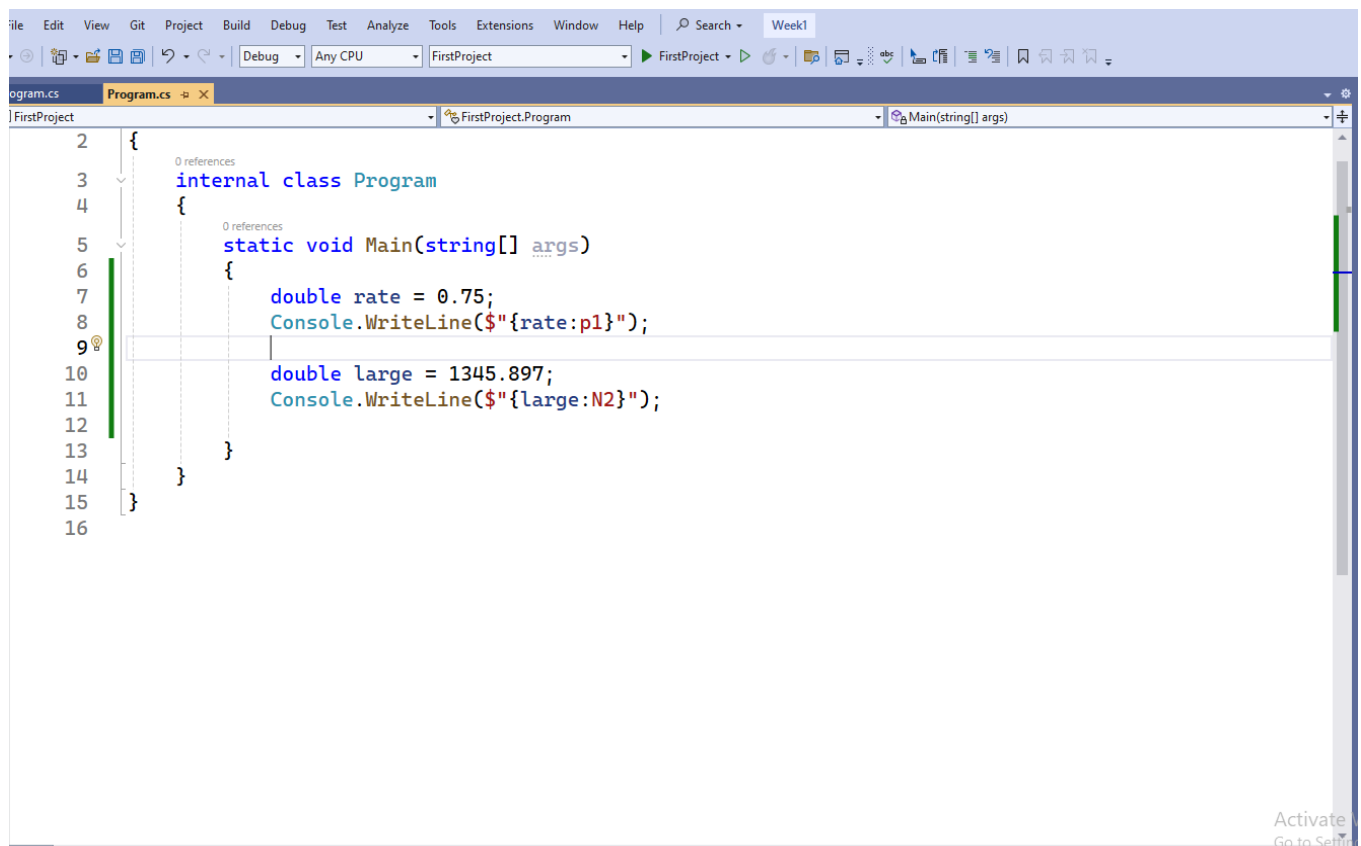
And ensures 2 decimal places.

2. what is its benefit?

converts a number to a string that represents a currency amount . Formats numbers

as currency, Easier to maintain and read and Cleaner code.

3. try another example with a different specifier with a screenshot of the output.

A screenshot of the Visual Studio IDE showing a C# project named 'FirstProject'. The code is in a file named 'Program.cs'. It defines an internal class 'Program' with a static method 'Main'. Inside 'Main', two variables are declared: 'rate' with a value of 0.75 and 'large' with a value of 1345.897. The 'rate' variable is formatted using the 'P1' specifier, and the 'large' variable is formatted using the 'N2' specifier. The code is as follows:

```
2 {  
3     internal class Program  
4     {  
5         static void Main(string[] args)  
6         {  
7             double rate = 0.75;  
8             Console.WriteLine($"{rate:P1}");  
9  
10            double large = 1345.897;  
11            Console.WriteLine($"{large:N2}");  
12        }  
13    }  
14 }  
15 }  
16 }
```

The screenshot also shows the 'Solution Explorer' on the right, indicating the project structure. The status bar at the bottom right says 'Activate Go to Settings'.