

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 (\$)

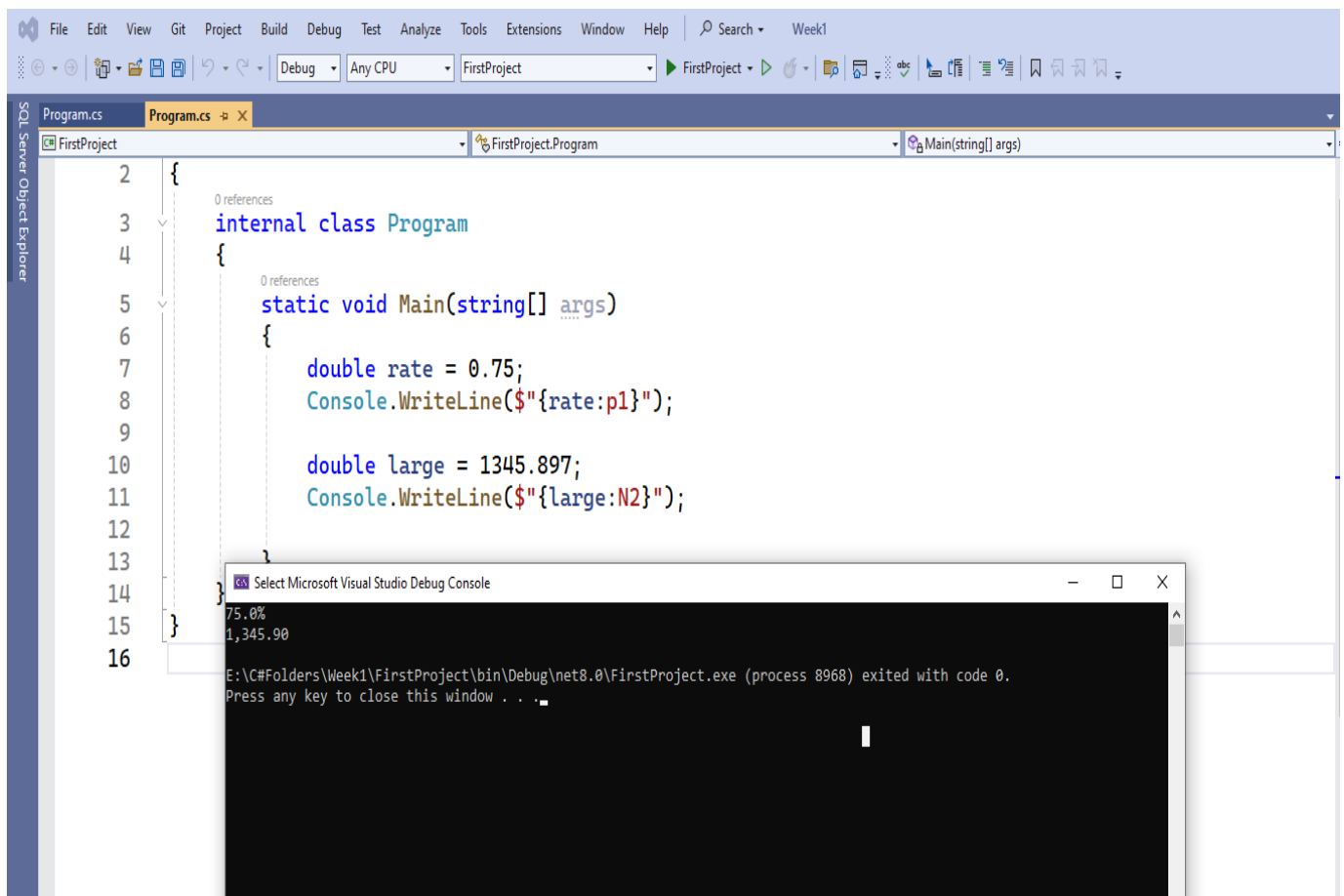
And ensures 2 decimal places.

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.



The screenshot shows the Visual Studio IDE with a C# project named 'FirstProject'. The code in 'Program.cs' defines an internal class 'Program' with a static 'Main' method. The 'Main' method initializes two double variables: 'rate' with the value 0.75 and 'large' with the value 1345.897. It then uses 'Console.WriteLine' to output these values with specific format specifiers: '{rate:p1}' for the rate and '{large:N2}' for the large value. A 'Select Microsoft Visual Studio Debug Console' window is overlaid on the code, showing the output of the program: '75.0%' and '1,345.90'. The console window also displays the path to the executable and the exit code.

```
2 {
3     0 references
4     internal class Program
5     {
6         0 references
7         static void Main(string[] args)
8         {
9             double rate = 0.75;
10            Console.WriteLine($"{rate:p1}");
11
12            double large = 1345.897;
13            Console.WriteLine($"{large:N2}");
14        }
15    }
16 }
```

Select Microsoft Visual Studio Debug Console

```
75.0%
1,345.90

E:\C#Folders\Week1\FirstProject\bin\Debug\net8.0\FirstProject.exe (process 8968) exited with code 0.
Press any key to close this window . . .
```