

Search Task about (Standard numeric format C#)

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

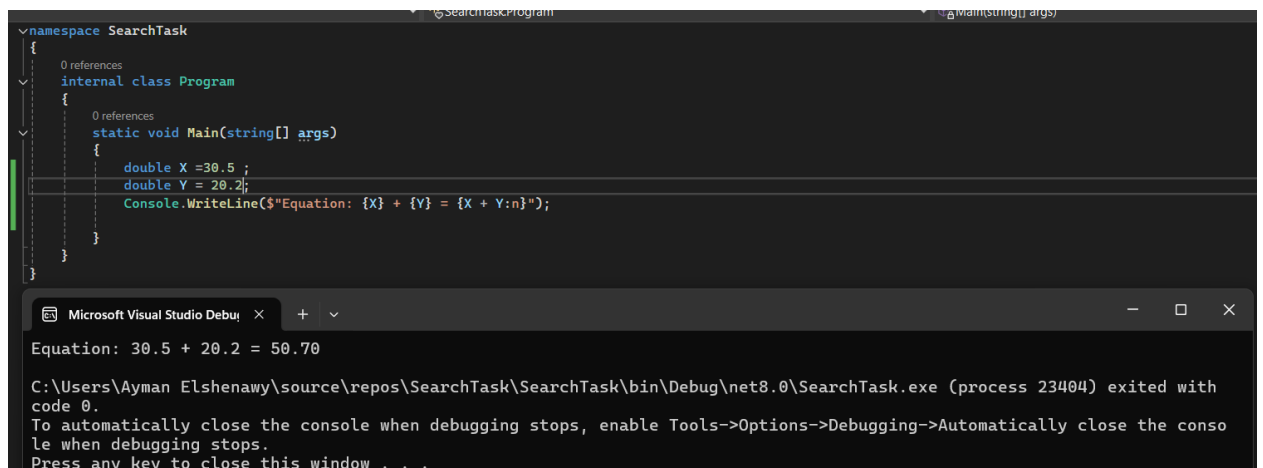
```
//Console.WriteLine($"Equation: {X} + {Y} = {X + Y:C}");
```

Because **C** symbolizes the currency(Display a number that represents a currency amount.)

2. what is its benefit?

It converts a number to the more compact of either fixed-point or scientific notation, depending on type of the number and whether a precision specifier is present. If the precision specifier is not present or zero, the type of the number determines the default precision

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



The screenshot shows a Visual Studio IDE with a C# program. The code defines a namespace `SearchTask` containing an internal class `Program` with a static `Main` method. Inside `Main`, two double variables are declared: `X = 30.5` and `Y = 20.2`. The `Console.WriteLine` statement uses a format string `($"{X} + {Y} = {X + Y:n})"` to display the sum of `X` and `Y` with a precision of `n` (which defaults to 2). The output window shows the result: `Equation: 30.5 + 20.2 = 50.70`. Below the output, a message indicates the application exited successfully with code 0.

```
namespace SearchTask
{
    internal class Program
    {
        static void Main(string[] args)
        {
            double X = 30.5 ;
            double Y = 20.2;
            Console.WriteLine($"{X} + {Y} = {X + Y:n}");
        }
    }
}
```

Equation: 30.5 + 20.2 = 50.70

C:\Users\Ayman Elshenawy\source\repos\SearchTask\SearchTask\bin\Debug\net8.0\SearchTask.exe (process 23404) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .