```csharp
1  //using is a directive
2  //System is a namespace, namespace groups related features together
3  //System is needed so we can use Console, classes
4  using static System.Console;
5  //outermost level of grouping
6  class Program
7  {
8      //private means this method can be accessed only here
9      //static means you can launch it directly by typring Sum
10     //double is the return type
11     //params means the number of values you pass into it can change
12     private static double Sum(params double[] arr)
13     {
14         double sum = 0;//keep track of sum
15         foreach (var d in arr)
16             sum += d;//grow the sum by adding the values inside the array
17         return sum;//at the end, send sum back to calling code
18     }
19     //Main is a method
20     //this is the entry point into program
21     static void Main()
22     {
23         //line below calls Sum with three values, and it works
24         WriteLine($"Sum of 1,2, and 3 is {Sum(1, 2, 3)}");
25         //line below calls Sum with four values, and it works
26         WriteLine($"Sum of 1,2,3 and 4 is {Sum(1, 2, 3, 4)}");
27     }
28 }
29
30
```