

```
1 using static System.Console;
2 //tuple: a way of grouping items together
3 class Program
4 {
5     static (double sum, double average) Summarize(double[] arr)
6     {
7         double sum = 0, average = 0; //set to 0 so the sum and averages are not distorted
8
9         foreach (var d in arr) //grab each value in array
10             sum += d; //sums up values as loop operates
11
12         average = sum / arr.Length; //sum of values divided by total number of values
13
14         return (sum, average); //return the tuple to the calling code
15     }
16     static void Main()
17     {
18         //Summarize takes an array
19         //finds the sums and average
20         //those values are returned as a tuple
21         //then saved to the sum, average variables below
22         var (sum, average) = Summarize(new double[] { 1, 4, 5, 3, 6 });
23         WriteLine($"Sum={sum} \nAverage={average}"); //prints values of sum and average
24     }
25 }
26
```