```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;//WriteLine
5  using static System.Math;//Power method
6  //outermost level of grouping
7  class Program
8  {
9      //Main is a method
10     //this is the entry point into program
11     static void Main()
12     {
13         double[] arr = new double[2];//length is 2, indexes go from 0 to 1
14         //i= 0 because first index inside array is 0
15         //i<arr.length because the indexes are 0,1 and not 1,2
16         //if you try to write i<=arr.length, you'll get an error
17         for (int i = 0; i < arr.Length; i++)
18         {
19             //step below reads as string with ReadLine()
20             //then it converts to numerical form with Parse
21             //then stores vaue at index i
22             //as the loop runs, i is first 0, and then 1
23             arr[i] = double.Parse(ReadLine());
24         }
25         //var is recognized as a double at run time
26         //item refers to each entry inside the array
27         foreach (var item in arr)
28         {
29             //line below grabs each value inside array
30             //and displays that value squared
31             WriteLine($"{item} squared is {Pow(item, 2)}");
32         }
33     }
34 }
35
36
```