```csharp
1  using System;
2  using System.Collections.Generic;
3  using System.Linq;
4  using System.Text;
5  using System.Threading.Tasks;
6
7  namespace ArrayEx
8  {
9      class Program
10     {
11         static void Main(string[] args)
12         {
13             int[] intAge = new int[5];
14             intAge[0] = 54;
15             intAge[1] = 44;
16             intAge[2] = 34;
17             intAge[3] = 24;
18             intAge[4] = 14;
19
20             int[] intAgeTwo = { 54, 44, 34, 24, 14 };
21
22             int[] intAgeThree;
23             intAgeThree = new int[5];
24             intAgeThree[0] = 54;
25             intAgeThree[1] = 44;
26             intAgeThree[2] = 34;
27             intAgeThree[3] = 24;
28             intAgeThree[4] = 14;
29
30             //Ask a user for 4 grades.  Then output the average.
31             int[] intGrades;
32             string strUser = "";
33             int intSum = 0;
34             double dblAvg = 0;
35             int intArrSize=0;
36
37             Console.WriteLine("How many grades?");
38             strUser = Console.ReadLine();
39             intArrSize = Int32.Parse(strUser);
40
41             intGrades = new int[intArrSize];
42
43             for (int i = 0; i < intGrades.Length; i++)
44             {
45                 Console.WriteLine("Please give me grade #" + i + ": ");
46                 strUser = Console.ReadLine();
47                 intGrades[i] = Int32.Parse(strUser);
48             }
49
50             for (int i = 0; i < intGrades.Length; i++)
51             {
52                 intSum = intSum + intGrades[i];
```

```
53                  }
54
55              dblAvg = (double)intSum / (double)intGrades.Length;
56
57              Console.WriteLine("Your average is: " + dblAvg);
58
59
60
61
62
63              Console.ReadKey();
64          }
65      }
66  }
67
```