

```
1 using System;
2
3 namespace CodeFight_Test
4 {
5     class Program
6     {
7         public static double ArrayMedianTest(int[] X)
8         {
9             Array.Sort(X);
10             int arrayLength = X.Length;
11             int middleNumber = arrayLength / 2;
12             double medianOfArray = 0;
13             double a = X[middleNumber - 1];
14             double b = X[middleNumber];
15
16             if (arrayLength % 2 == 0)
17             {
18                 medianOfArray = (a + b) / 2;
19             }
20             else
21             {
22                 medianOfArray = X[middleNumber];
23             }
24
25             return medianOfArray;
26         }
27
28         static void Main(string[] args)
29         {
30             int[] input1 = { 0, 2, 5, 3, 9, 15, 12 };
31
32             Console.WriteLine("The result of the odd array of integer with
33                             length of {0} is below:", input1.Length);
34
35             Console.WriteLine(ArrayMedianTest(input1));
36
37             Console.WriteLine("Press Any Key to Continue");
38
39             Console.ReadLine();
40
41             int[] input2 = { 0, 2, 5, 3, 9, 15, 12, 18 };
42
43             Console.WriteLine("The result of the even array of integer with
44                             length of {0} is below:", input2.Length);
45
46             Console.WriteLine(ArrayMedianTest(input2));
47
48             Console.WriteLine("Press Any Key to Exit!");
49         }
50     }
51 }
```

```
48         Console.ReadLine();
49     }
50 }
51 }
52
```