Our Solution(s) Run Code

Solution 1 Solution 2

```
1  // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3  public class Program {
4    // O(log(n)) time | O(log(n)) space
5    public static int BinarySearch(int[] array, int target) {
6      return BinarySearch(array, target, 0, array.Length - 1);
7    }
8
9    public static int BinarySearch(int[] array, int target, int left, i
10     if (left > right) {
11       return -1;
12     }
13     int middle = (left + right) / 2;
14     int potentialMatch = array[middle];
15     if (target == potentialMatch) {
16       return middle;
17     } else if (target < potentialMatch) {
18       return BinarySearch(array, target, left, middle - 1);
19     } else {
20       return BinarySearch(array, target, middle + 1, right);
21     }
22   }
23 }
24
```

Your Solutions Run Code

Solution 1 Solution 2 Solution 3

```
1  public class Program {
2    public static int BinarySearch(int[] array, int target) {
3      // Write your code here.
4      return -1;
5    }
6  }
7
```

Our Tests

Custom Output Submit Code

Run or submit code when you're ready.