Our Solution(s)   Run Code

Solution 1   Solution 2

```java
1   // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3   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, in
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

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

Custom Output   Submit Code

Run or submit code when you're ready.

Our Tests