

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 // O(log(n)) time | O(log(n)) space
4 function binarySearch(array, target) {
5   return binarySearchHelper(array, target, 0, array.length - 1);
6 }
7
8 function binarySearchHelper(array, target, left, right) {
9   if (left > right) return -1;
10  const middle = Math.floor((left + right) / 2);
11  const potentialMatch = array[middle];
12  if (target === potentialMatch) {
13    return middle;
14  } else if (target < potentialMatch) {
15    return binarySearchHelper(array, target, left, middle - 1);
16  } else {
17    return binarySearchHelper(array, target, middle + 1, right);
18  }
19 }
20
21 exports.binarySearch = binarySearch;
22
```

Solution 1Solution 2Solution 3

```
1 function binarySearch(array, target) {
2   // Write your code here.
3 }
4
5 // Do not edit the line below.
6 exports.binarySearch = binarySearch;
7
```

Run or submit code when you're ready.

Our Tests

```
1 assertAlmostEqual(expected, computed)
2 assert_almost_equal(expected, computed)
3
4 # Test basic API - Testcase 1.0
5 from unittest import TestCase
6
7 # Test basic API - Testcase 1.0
8 from unittest import TestCase
```