

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(1) 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   while (left <= right) {
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       right = middle - 1;
16     } else {
17       left = middle + 1;
18     }
19   }
20   return -1;
21 }
22
23 exports.binarySearch = binarySearch;
24
```

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
```