

Our Solution(s)

Run Code

Solution 1Solution 2

```
1 # Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 # O(log(n)) time | O(log(n)) space
4 def binarySearch(array, target):
5     return binarySearchHelper(array, target, 0, len(array) - 1)
6
7
8 def binarySearchHelper(array, target, left, right):
9     if left > right:
10         return -1
11     middle = (left + right) // 2
12     potentialMatch = array[middle]
13     if target == potentialMatch:
14         return middle
15     elif target < potentialMatch:
16         return binarySearchHelper(array, target, left, middle - 1)
17     else:
18         return binarySearchHelper(array, target, middle + 1, right)
19
```

Our Tests

```
1 def testBinarySearch():
2     # Test Case 1
3
4     # Test Case 2
5
6     # Test Case 3
7
8     # Test Case 4
9
10    # Test Case 5
11
12    # Test Case 6
13
14    # Test Case 7
15
16    # Test Case 8
17
18    # Test Case 9
19
```

Your Solutions

Run Code

Solution 1Solution 2Solution 3

```
1 def binarySearch(array, target):
2     # Write your code here.
3     pass
4
```

Custom OutputRaw Output

Submit Code

Run or submit code when you're ready.