

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1

Solution 2

```
1 # Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 # O(log(n)) time | O(1) space
4 def searchForRange(array, target):
5     finalRange = [-1, -1]
6     alteredBinarySearch(array, target, 0, len(array) - 1, finalRange,
7     alteredBinarySearch(array, target, 0, len(array) - 1, finalRange,
8     return finalRange
9
10
11 def alteredBinarySearch(array, target, left, right, finalRange, goLeft):
12     while left <= right:
13         mid = (left + right) // 2
14         if array[mid] < target:
15             left = mid + 1
16         elif array[mid] > target:
17             right = mid - 1
18         else:
19             if goLeft:
20                 if mid == 0 or array[mid - 1] != target:
21                     finalRange[0] = mid
22                     return
23             else:
24                 right = mid - 1
25         else:
26             if mid == len(array) - 1 or array[mid + 1] != target:
27                 finalRange[1] = mid
28                 return
29             else:
30                 left = mid + 1
31
```

Solution 1

Solution 2

Solution 3

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

Our Tests

Custom Output

Submit Code

```
1 def searchForRange(array, target):
2     # Write your code here.
3
4     # Test 1: array = [1, 2, 3, 4, 5], target = 3
5     # Test 2: array = [1, 2, 3, 4, 5], target = 6
6     # Test 3: array = [1, 2, 3, 4, 5], target = 0
7     # Test 4: array = [1, 2, 3, 4, 5], target = 1
8     # Test 5: array = [1, 2, 3, 4, 5], target = 5
```

