

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(log(n)) space
4 function searchForRange(array, target) {
5   const finalRange = [-1, -1];
6   alteredBinarySearch(array, target, 0, array.length - 1, finalRange, 0);
7   alteredBinarySearch(array, target, 0, array.length - 1, finalRange, 1);
8   return finalRange;
9 }
10
11 function alteredBinarySearch(array, target, left, right, finalRange, goLeft) {
12   if (left > right) return;
13   const mid = Math.floor((left + right) / 2);
14   if (array[mid] < target) {
15     alteredBinarySearch(array, target, mid + 1, right, finalRange, goLeft);
16   } else if (array[mid] > target) {
17     alteredBinarySearch(array, target, left, mid - 1, finalRange, goLeft);
18   } else {
19     if (goLeft) {
20       if (mid === 0 || array[mid - 1] !== target) {
21         finalRange[0] = mid;
22       } else {
23         alteredBinarySearch(array, target, left, mid - 1, finalRange, goLeft);
24       }
25     } else {
26       if (mid === array.length - 1 || array[mid + 1] !== target) {
27         finalRange[1] = mid;
28       } else {
29         alteredBinarySearch(array, target, mid + 1, right, finalRange, goLeft);
30       }
31     }
32   }
33 }
```

Solution 1

Solution 2

Solution 3

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

Our Tests

Custom Output

Submit Code

```
1 // Test Case 1: Success
2 // Input: array = [1, 2, 3, 4, 5], target = 3
3 // Output: [-1, 2]
4
5 // Test Case 2: Success
6 // Input: array = [1, 2, 3, 4, 5], target = 4
7 // Output: [3, 3]
8
9 // Test Case 3: Failure
10 // Input: array = [1, 2, 3, 4, 5], target = 6
11 // Output: [-1, -1]
```

```
10 # Run Test Case 401 - Success (1/1)
11 # Run expectProgram expectFileRange(25, 1, 1, 8, 8, 200, 71) on test
12 #
13
14 # Run Test Case 402 - Success (1/1)
15 # Run expectProgram expectFileRange(25, 1, 1, 8, 8, 200, 81) on test
16 #
17
18 # Run Test Case 403 - Success (1/1)
19 # Run expectProgram expectFileRange(25, 1, 1, 8, 8, 200, 200) on test
20 #
21
22 # Run Test Case 404 - Success (1/1)
23 # Run expectProgram expectFileRange(25, 1, 1, 8, 8, 200, 91) on test
24 #
25
```

Run or submit code when you're ready.