

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1

Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     // O(log(n)) time | O(1) space
5     func searchForRange(_ array: [Int], _ target: Int) -> [Int] {
6         var finalRange = [-1, -1]
7
8         var leftPointer = 0
9         var rightPointer = array.count - 1
10
11         alteredBinarySearch(array, target, &leftPointer, &rightPointer)
12
13         leftPointer = 0
14         rightPointer = array.count - 1
15         alteredBinarySearch(array, target, &leftPointer, &rightPointer)
16         return finalRange
17     }
18
19     func alteredBinarySearch(_ array: [Int], _ target: Int, _ leftPointer: Int, _ rightPointer: Int) {
20         while leftPointer <= rightPointer {
21             let middle = (leftPointer + rightPointer) / 2
22
23             if array[middle] > target {
24                 rightPointer = middle - 1
25             } else if array[middle] < target {
26                 leftPointer = middle + 1
27             } else {
28                 if goLeft {
29                     if middle == 0 || array[middle] != array[middle - 1] {
30                         finalRange[0] = middle
31                         return
32                     } else {
33                         rightPointer = middle - 1
34                     }
35                 } else {
36                     if middle == array.count - 1 || array[middle] != array[middle + 1] {
37                         finalRange[1] = middle
38                         return
39                     } else {
40                         leftPointer = middle + 1
41                     }
42                 }
43             }
44         }
45     }
46
47     func goLeft() -> Bool {
48         return finalRange[0] != -1
49     }
50 }
```

Solution 1

Solution 2

Solution 3

```
1 class Program {
2     func searchForRange(_ array: [Int], _ target: Int) -> [Int] {
3         // Write your code here.
4         return []
5     }
6 }
7
```

Our Tests

Custom Output

Submit Code

```
1 class Program {
2     func searchForRange(_ array: [Int], _ target: Int) -> [Int] {
3         // Write your code here.
4         return []
5     }
6 }
```

```
1 // Custom Output
2
3 // Submit Code
```

Run or submit code when you're ready.