

Our Solution(s)

Run Code

Your Solutions

Run Code

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

