AlgoExpert Quad Layout Swift 12px Sublime Monokai 00:00:00

Prompt Scratchpad Our Solution(s) Video Explanation Run Code

Solution 1

44

```
1\, // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
 3 class Program {
       // O(n) time | O(n) space
       func largestRange(array: [Int]) -> [Int] {
           var longestLength = 0
           var bestRange = [Int]()
           var hash = [Int: Bool]()
 8
10
           for number in array {
11
               hash[number] = true
12
13
14
           for number in array {
               if let hashAtNumber = hash[number], !hashAtNumber {
15
16
                   continue
17
18
19
               var currentLength = 1
20
               var left = number - 1
21
               var right = number + 1
22
               while hash.keys.contains(left) {
23
24
                   hash[left] = false
25
                   currentLength += 1
26
                   left -= 1
27
28
               while hash.keys.contains(right) {
29
30
                   hash[right] = false
                   currentLength += 1
31
32
                   right += 1
33
34
35
               if currentLength > longestLength {
36
                   bestRange = [left + 1, right - 1]
37
                   longestLength = currentLength
38
39
40
41
           return bestRange
42
43 }
```