

Solution 1

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1 # Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 # O(n) time | O(n) space
4 def largestRange(array):
5     bestRange = []
6     longestLength = 0
7     nums = {}
8     for num in array:
9         nums[num] = True
10    for num in array:
11        if not nums[num]:
12            continue
13        nums[num] = False
14        currentLength = 1
15        left = num - 1
16        right = num + 1
17        while left in nums:
18            nums[left] = False
19            currentLength += 1
20            left -= 1
21        while right in nums:
22            nums[right] = False
23            currentLength += 1
24            right += 1
25        if currentLength > longestLength:
26            longestLength = currentLength
27            bestRange = [left + 1, right - 1]
28    return bestRange
29
```