

PromptScratchpadOur Solution(s)Video Explanation

Run Code

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 // O(n) time | O(n) space
4 function largestRange(array) {
5   let bestRange = [];
6   let longestLength = 0;
7   const nums = {};
8   for (const num of array) {
9     nums[num] = true;
10  }
11  for (const num of array) {
12    if (!nums[num]) continue;
13    nums[num] = false;
14    let currentLength = 1;
15    let left = num - 1;
16    let right = num + 1;
17    while (left in nums) {
18      nums[left] = false;
19      currentLength++;
20      left--;
21    }
22    while (right in nums) {
23      nums[right] = false;
24      currentLength++;
25      right++;
26    }
27    if (currentLength > longestLength) {
28      longestLength = currentLength;
29      bestRange = [left + 1, right - 1];
30    }
31  }
32  return bestRange;
33 }
34
35 exports.largestRange = largestRange;
36
```