Solution 1

Run Code

Our Solution(s)

Run Code

Your Solutions

Solution 1 Solution 2 Solution 3

```
class Program {
  public static int[] largestRange(int[] array) {
    // Write your code here.
  return null;
}
}
```

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   import java.util.*;
   class Program {
      // O(n) time | O(n) space
      public static int[] largestRange(int[] array) {
        int[] bestRange = new int[2];
        int longestLength = 0;
10
        Map<Integer, Boolean> nums = new HashMap<Integer, Boolean>();
11
        for (int num : array) {
12
         nums.put(num, true);
13
14
        for (int num : array) {
          if (!nums.get(num)) {
16
           continue;
17
18
          nums.put(num, false);
19
          int currentLength = 1;
20
          int left = num - 1;
21
          int right = num + 1;
22
          while (nums.containsKey(left)) {
23
            nums.put(left, false);
            currentLength++;
25
            left--;
26
27
          while (nums.containsKey(right)) {
28
            nums.put(right, false);
29
            currentLength++;
30
            right++;
31
          \quad \textbf{if} \ (\texttt{currentLength} \ \gt \ \texttt{longestLength}) \ \{\\
32
            longestLength = currentLength;
33
```

Run or submit code when you're ready.

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