Our Solution(s)

Run Code

Your Solutions

Run Code

```
Solution 1
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
 3 using namespace std;
5 // O(n) time | O(1) space - where n is the length of the input i
6 int longestPeak(vector<int> array) {
     int longestPeakLength = 0;
     int i = 1;
9
     while (i < int(array.size() - 1)) {</pre>
      bool isPeak = array[i - 1] < array[i] && array[i] > array[i
10
11
       if (!isPeak) {
12
        i += 1;
13
         continue;
14
15
16
       int leftIdx = i - 2;
17
       while (leftIdx >= 0 && array[leftIdx] < array[leftIdx + 1])</pre>
18
         leftIdx -= 1;
19
20
21
       int rightIdx = i + 2;
       while (rightIdx < array.size() && array[rightIdx] < array[ri</pre>
23
         rightIdx += 1;
24
25
       int currentPeakLength = rightIdx - leftIdx - 1;
       if (currentPeakLength > longestPeakLength) {
26
27
         longestPeakLength = currentPeakLength;
28
29
        i = rightIdx;
30
31
     return longestPeakLength;
32 }
33
```

```
Solution 1  Solution 2  Solution 3

1  using namespace std;
2
3  int longestPeak(vector<int> array) {
4    // Write your code here.
5   return -1;
6 }
7
```

