

Our Solution(s)	Run Code	Your Solutions	Run Code
<div>Solution 1</div> <pre>1 # Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 # O(n) time   O(1) space - where n is the length of the input array 4 def longestPeak(array): 5     longestPeakLength = 0 6     i = 1 7     while i &lt; len(array) - 1: 8         isPeak = array[i - 1] &lt; array[i] and array[i] &gt; array[i + 1] 9         if not isPeak: 10             i += 1 11             continue 12 13         leftIdx = i - 2 14         while leftIdx &gt;= 0 and array[leftIdx] &lt; array[leftIdx + 1]: 15             leftIdx -= 1 16         rightIdx = i + 2 17         while rightIdx &lt; len(array) and array[rightIdx] &lt; array[rightIdx - 1]: 18             rightIdx += 1 19 20         currentPeakLength = rightIdx - leftIdx - 1 21         longestPeakLength = max(longestPeakLength, currentPeakLength) 22         i = rightIdx 23     return longestPeakLength 24</pre>		<div>Solution 1   Solution 2   Solution 3</div> <pre>1 def longestPeak(array): 2     # Write your code here. 3     pass 4</pre>	
<div>Our Tests</div>		<div>Custom Output   Submit Code</div>	

```

1  #!/usr/bin/env python
2
3  # Test program for the test suite
4
5  def test_case_1():
6      array = [1]
7      expected = 1
8      assert_equal(sorted(array), sorted(expected))
9
10
11  def test_case_2():
12      array = [2, 4, 6]
13      expected = 3
14      assert_equal(sorted(array), sorted(expected))
15
16
17  def test_case_3():
18      array = [2, 4, 6, 8, 10, 12]
19      expected = 6
20      assert_equal(sorted(array), sorted(expected))
21
22
23  def test_case_4():
24      array = [2, 4, 6, 8, 10, 12, 14, 16]
25

```

Run or submit code when you're ready.