

Our Solution(s)

Run Code

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     // O(n) time | O(1) space
5     func kadanesAlgorithm(array: [Int]) -> Int {
6         if array.count > 0 {
7             var maxEndingHere = array.first
8             var maxSoFar = array.first
9
10            for i in 1 ..< array.count {
11                let currentNumber = array[i]
12
13                maxEndingHere = max(currentNumber, currentNumber
14                maxSoFar = max(maxSoFar!, maxEndingHere!)
15            }
16
17            return maxSoFar!
18        } else {
19            return -1
20        }
21    }
22 }
23
```

Your Solutions

Run Code

Solution 1

Solution 2

Solution 3

```
1 class Program {
2     func kadanesAlgorithm(array: [Int]) -> Int {
3         // Write your code here.
4         return -1
5     }
6 }
7
```

Custom Output

Submit Code

```

1 def test1():
2     @pytest.mark.parametrize('x', [1, 2, 3])
3     def test2(x):
4         assert x > 0
5     test2(1)
6     test2(2)
7     test2(3)
8     test2(4)
9     test2(5)
10    test2(6)
11    test2(7)
12    test2(8)
13    test2(9)
14    test2(10)
15    test2(11)
16    test2(12)
17    test2(13)
18    test2(14)
19    test2(15)
20    test2(16)
21    test2(17)
22    test2(18)
23    test2(19)
24    test2(20)

```

Run or submit code when you're ready.