

PromptScratchpadOur Solution(s)Video ExplanationRun Code

Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     // O(n) time | O(n) space
5     func maximumSubsetSum(array: [Int]) -> Int {
6         if array.count == 0 {
7             return 0
8         }
9
10        if array.count == 1 {
11            return array.first!
12        }
13
14        var maxSums = array
15        maxSums[1] = max(maxSums[0], maxSums[1])
16
17        for i in 2 ..< array.count {
18            maxSums[i] = max(maxSums[i - 1], maxSums[i - 2] + array[i])
19        }
20
21        return maxSums[maxSums.count - 1]
22    }
23 }
24
```

Your SolutionsRun Code

Solution 1Solution 2Solution 3

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

Custom OutputRaw OutputSubmit Code

Run or submit code when you're ready.