

Our Solution(s)

Run Code

Solution 1 Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 #include <vector>
4 using namespace std;
5
6 // O(n) time | O(n) space
7 int maxSubsetSumNoAdjacent(vector<int> array) {
8     if (array.size() == 0) {
9         return 0;
10    } else if (array.size() == 1) {
11        return array[0];
12    }
13    vector<int> maxSums = array;
14    maxSums[1] = max(array[0], array[1]);
15    for (int i = 2; i < array.size(); i++) {
16        maxSums[i] = max(maxSums[i - 1], maxSums[i - 2] + array[i]);
17    }
18    return maxSums[array.size() - 1];
19 }
20
```

Our Tests

Your Solutions

Run Code

Solution 1 Solution 2 Solution 3

```
1 #include <vector>
2 using namespace std;
3
4 int maxSubsetSumNoAdjacent(vector<int> array) {
5     // Write your code here.
6     return -1;
7 }
8
```

Custom Output

Submit Code

