

Prompt	Scratchpad	Our Solution(s)	Video Explanation	Run Code	Your Solutions	Run Code
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Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 using System;
4 public class Program {
5     // O(n) time | O(n) space
6     public static int MaxSubsetSumNoAdjacent(int[] array) {
7         if (array.Length == 0) {
8             return 0;
9         } else if (array.Length == 1) {
10             return array[0];
11         }
12         int[] maxSums = (int[]) array.Clone();
13         maxSums[1] = Math.Max(array[0], array[1]);
14         for (int i = 2; i < array.Length; i++) {
15             maxSums[i] = Math.Max(maxSums[i - 1], maxSums[i - 2] + array[i]);
16         }
17         return maxSums[array.Length - 1];
18     }
19 }
20
```

Solution 1Solution 2Solution 3

```
1 public class Program {
2     public static int MaxSubsetSumNoAdjacent(int[] array) {
3         // Write your code here.
4         return -1;
5     }
6 }
7
```

Run or submit code when you're ready.