Our Solution(s)   Run Code   Your Solutions   Run Code

Solution 1   Solution 2   Solution 1   Solution 2   Solution 3

```go
1  // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3  package main
4
5  // O(n*2^n) time | O(n*2^n) space
6  func Powerset(array []int) [][]int {
7    return powerset(array, len(array)-1)
8  }
9
10 func powerset(array []int, index int) [][]int {
11   if index < 0 {
12     return [][]int{[]int{}}
13   }
14   subsets := powerset(array, index-1)
15   ele := array[index]
16   length := len(subsets)
17   for i := 0; i < length; i++ {
18     currentSubset := subsets[i]
19     newsubset := append([]int{}, currentSubset...)
20     newsubset = append(newsubset, ele)
21     subsets = append(subsets, newsubset)
22   }
23   return subsets
24 }
25
```

```go
1  package main
2
3  func Powerset(array []int) [][]int {
4    // Write your code here.
5    return nil
6  }
7
```

Our Tests   Custom Output   Submit Code

Run or submit code when you're ready.