Our Solution(s)

Run Code

```
Your Solutions
```

Run Code

```
Solution 1
             Solution 2
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
 3 #include <vector>
4 using namespace std;
6 vector<vector<int>> powersetHelper(vector<int> array, int idx);
8 // O(n*2^n) time | O(n*2^n) space
9 vector<vector<int>> powerset(vector<int> array) {
10
    return powersetHelper(array, array.size() - 1);
11 }
12
13 vector<vector<int>> powersetHelper(vector<int> array, int idx) ·
14
     if (idx < 0) {
15
       return vector<vector<int>>{{}};
16
17
     int ele = array[idx];
     vector<vector<int>>> subsets = powersetHelper(array, idx - 1);
18
19
     int length = subsets.size();
20
     for (int i = 0; i < length; i++) {</pre>
      vector<int> currentSubset = subsets[i];
21
      vector<int> newSubset = currentSubset;
23
     newSubset.push_back(ele);
      subsets.push_back(newSubset);
24
25
26
     return subsets;
27 }
28
```

```
Solution 1  Solution 2  Solution 3

1  #include <vector>
2  using namespace std;
3

4  vector<vector<int>> powerset(vector<int>> array) {
5    // Write your code here.
6    return {};
7  }
```

