Our Solution(s)   Run Code

Solution 1   **Solution 2**

```cpp
1  // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3  #include <vector>
4  using namespace std;
5
6  // O(n*2^n) time | O(n*2^n) space
7  vector<vector<int>> powerset(vector<int> array) {
8    vector<vector<int>> subsets = {{}};
9    for (int ele : array) {
10     int length = subsets.size();
11     for (int i = 0; i < length; i++) {
12       vector<int> currentSubset = subsets[i];
13       currentSubset.push_back(ele);
14       subsets.push_back(currentSubset);
15     }
16   }
17   return subsets;
18 }
19
```

Your Solutions   Run Code

Solution 1   **Solution 2**   **Solution 3**

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

Custom Output   **Raw Output**   Submit Code

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

Run or submit code when you're ready.