

Our Solution(s)Run Code

Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 import java.util.*;
4
5 class Program {
6     // O(n*2^n) time | O(n*2^n) space
7     public static List<List<Integer>> powerset(List<Integer> array)
8     {
9         List<List<Integer>> subsets = new ArrayList<List<Integer>>();
10        subsets.add(new ArrayList<Integer>());
11        for (Integer ele : array) {
12            int length = subsets.size();
13            for (int i = 0; i < length; i++) {
14                List<Integer> currentSubset = new ArrayList<Integer>(sub
15                currentSubset.add(ele);
16                subsets.add(currentSubset);
17            }
18        }
19        return subsets;
20    }
21 }
```

Your SolutionsRun Code

Solution 1Solution 2Solution 3

```
1 import java.util.*;
2
3 class Program {
4     public static List<List<Integer>> powerset(List<Integer> array)
5     {
6         // Write your code here.
7         return null;
8     }
9 }
```

```
1 class Program {
2     static void Main() {
3         Console.WriteLine("Hello, World!");
4         Console.WriteLine("Hello, World!");
5         Console.WriteLine("Hello, World!");
6     }
7 }
8
9 class Program {
10    static void Main() {
11        Console.WriteLine("Hello, World!");
12        Console.WriteLine("Hello, World!");
13        Console.WriteLine("Hello, World!");
14        Console.WriteLine("Hello, World!");
15    }
16 }
17
18 class Program {
19    static void Main() {
20        Console.WriteLine("Hello, World!");
21        Console.WriteLine("Hello, World!");
22    }
23 }
```

Run or submit code when you're ready.