Quad Layout 00:00:00 AlgoExpert Swift Sublime Monokai 12px

Prompt Scratchpad Our Solution(s)

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Video Explanation
                          Run Code
```

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Your Solutions
                                                                    Run Code
```

Solution 3

```
Solution 1
               Solution 2
 1\, // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
   class Program {
       // O(n * n!) time | O(n * n!) space
        func permutations(array: inout [Int]) -> [[Int]] {
           var permutations = [[Int]]()
           permutationsHelper(firstIndex: 0, array: &array, permutations: &permutations)
 8
 9
           return permutations
10
11
        func permutationsHelper(firstIndex: Int, array: inout [Int], permutations: inout [[Int]
12
13
           if firstIndex == array.count - 1 {
14
               permutations.append(array)
15
           } else {
16
               for secondIndex in firstIndex ... array.count \{
17
                   swap(firstIndex: firstIndex, secondIndex: secondIndex, array: &array)
                   \verb|permutationsHelper| (firstIndex: firstIndex + 1, array: \&array, permutations:
18
                   swap(firstIndex: firstIndex, secondIndex: secondIndex, array: &array)
19
20
21
22
23
24
        func swap(firstIndex: Int, secondIndex: Int, array: inout [Int]) {
25
           let temp = array[firstIndex]
26
           array[firstIndex] = array[secondIndex]
27
           array[secondIndex] = temp
28
29 }
30
```

```
Solution 1
             Solution 2
1 class Program {
      func permutations(array: inout [Int]) -> [[Int]] {
          // Write your code here.
          return []
5
6 }
```

Custom Output Raw Output Submit Code

Run or submit code when you're ready.