

Description

Solution

Discuss (999+)

Submissions

46. Permutations

Medium 4264 109 Add to List Share

Given a collection of **distinct** integers, return all possible permutations.

Example:

Input: [1,2,3]

Output:

```
[
  [1,2,3],
  [1,3,2],
  [2,1,3],
  [2,3,1],
  [3,1,2],
  [3,2,1]
]
```

Accepted 645,789 | Submissions 1,010,173

Seen this question in a real interview before? Yes No

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Java Autocomplete

```
1 class Solution {
2     public List<List<Integer>> result = new ArrayList<List<Integer>>();
3
4     public List<List<Integer>> permute(int[] elements) {
5
6         List<String> perNum = new ArrayList<String>();
7         for (int i = 0; i < elements.length; i++) {
8             perNum.add(elements[i] + "");
9         }
10
11         result = getPermutationList(new ArrayList<Integer>(), perNum);
12
13         return result;
14     }
15
16     private List<List<Integer>> getPermutationList (List<Integer> singleList,
17 List<String> newArrangement) {
18         if (newArrangement.size() == 0) {
19             result.add(singleList);
20             return result;
21         }
22         for (int i = 0; i < newArrangement.size(); i++) {
```

Your previous code was restored from your local storage. [Reset to default](#)

Testcase Run Code Result Debugger

Accepted Runtime: 5 ms

Your input [1,2,3]

Output [[1,2,3],[1,3,2],[2,1,3],[2,3,1],[3,1,2],[3,2,1]] Diff

Expected [[1,2,3],[1,3,2],[2,1,3],[2,3,1],[3,1,2],[3,2,1]]