

215. Given a collection of numbers, `nums`, that might contain duplicates, return all possible unique permutations in any order.

Example 1:

Input: `nums = [1,1,2]`

Output:

`[[1,1,2],`

`[1,2,1],`

`[2,1,1]]`

Example 2:

Input: `nums = [1,2,3]`

Output: `[[1,2,3],[1,3,2],[2,1,3],[2,3,1],[3,1,2],[3,2,1]]`

PROGRAM:-

```
from itertools import permutations
```

```
def permuteUnique(nums):
```

```
    return list(set(permutations(nums)))
```

```
# Example
```

```
nums = [1, 1, 2]
```

```
print(permuteUnique(nums))
```

OUTPUT:-

```
[(1, 2, 1), (2, 1, 1), (1, 1, 2)]
```

```
=== Code Execution Successful ===
```

TIME COMPLEXITY:- $O(nN \cdot N! + M \log m)$