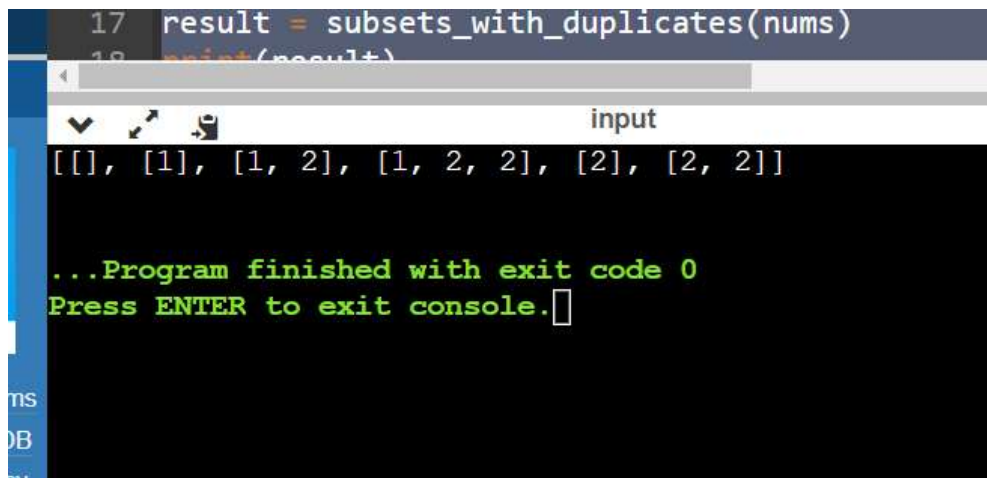


Problem 2: Given an array of integers that **may contain duplicates** the task is to return all possible subsets. Return only **uniquesubsets** and they can be in any order

```
def subsets_with_duplicates(nums):  
    nums.sort()  
    subsets = []  
    generate_subsets(nums, 0, [], subsets)  
    return subsets  
  
def generate_subsets(nums, index, current, subsets):  
    subsets.append(current[:])  
    for i in range(index, len(nums)):  
        if i > index and nums[i] == nums[i - 1]:  
            continue  
        current.append(nums[i])  
        generate_subsets(nums, i + 1, current, subsets) # Generate subsets recursively  
        current.pop()  
  
nums = [1, 2, 2]  
result = subsets_with_duplicates(nums)  
print(result)
```



```
17 result = subsets_with_duplicates(nums)  
18 print(result)  
input  
[[], [1], [1, 2], [1, 2, 2], [2], [2, 2]]  
...Program finished with exit code 0  
Press ENTER to exit console.
```