def find\_subsets(nums):

    def backtrack(start, current\_subset):

        # Print the current state

        # Append a copy of the current subset to the result list

        result.append(current\_subset[:])

        # Try adding each number starting from 'start' index to the subset

        for i in range(start, len(nums)):

            print(f"inside loop {i}")

            # Include the number nums[i] in the current subset

            current\_subset.append(nums[i])

            # Recurse with the updated subset and next start index

            backtrack(i + 1, current\_subset)

            # Backtrack: remove the last element added

            removed = current\_subset.pop()

            print(f"Backtrack: Removed {removed}, Current Subset: {current\_subset}")

        print("Loop finished")

    result = []

    backtrack(0, [])

    return result

# Example usage

nums = [1, 2, 3]

subsets = find\_subsets(nums)

print(subsets)

BT Call 🡪 we come at line finised then🡪 return back to BT previous caller then complete below remaining lines, that is pop , then complete loop cycle.  
  
ghp\_uMXCNB2JfXZYTBVrWmuyPbeRfYgWPG45Tq17

SSH:

ssh-keygen -t ed25519 -C "802praddepks@gmail.com"  
  
/c/Users/Pradeep/.ssh'  
  
Enter file in which to save the key (/c/Users/Pradeep/.ssh/id\_ed25519):

Enter passphrase (empty for no passphrase):

Enter same passphrase again:

Your identification has been saved in /c/Users/Pradeep/.ssh/id\_ed25519

Your public key has been saved in /c/Users/Pradeep/.ssh/id\_ed25519.pub

The key fingerprint is:

SHA256:dIxDGiCgkxz+iq0asxflhKIA1xYZI4s4GeLIsS8yWVY 802praddepks@gmail.com

cat ~/.ssh/id\_ed25519.pub  
output:  
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAID7BmBGDfLZg5eKk069XYtIXAvFvKKHXk5633kVkXIFs simmi30123@gmail.com