120. Subset Generation

Code:

```
def subsets_bit_manipulation(nums):
    n = len(nums)
    output = []
    for i in range(2**n):
        subset = []
        for j in range(n):
            if (i >> j) & 1:
                 subset.append(nums[j])
            output.append(subset)
        return output

nums = [1, 2, 3]
print(subsets_bit_manipulation(nums))
output:

PS C:\Users\karth>
PS C:\Users\karth
```

Time complexity:f(n)=o(n)