1) Consider a list (list = []). You can perform the following commands:

1. insert i e: Insert integer  at position .
2. print: Print the list.
3. remove e: Delete the first occurrence of integer .
4. append e: Insert integer  at the end of the list.
5. sort: Sort the list.
6. pop: Pop the last element from the list.
7. reverse: Reverse the list.

Solution - if \_\_name\_\_ == '\_\_main\_\_':

    N = int(input())

    l=list()

    for \_ in range(N):

        s=input().strip().split(" ")

        if s[0]=="insert":

            l.insert(int(s[1]),int(s[2]))

        if s[0]=="print":

            print(l)

        if s[0]=="remove":

            l.remove(int(s[1]))

        if s[0]=="append":

            l.append(int(s[1]))

        if s[0]=="sort":

            l.sort()

        if s[0]=="pop":

            l.pop()

        if s[0]=="reverse":

            l.reverse()

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2) Solution - from itertools import product

a = map(int, input().split())

b = map(int, input().split())

print(\*product(a, b))

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3)

Solution - from itertools import permutations

s,n = input().split()

print(\*[''.join(i) for i in permutations(sorted(s),int(n))],sep='\n')

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