def swap(s, i, j):

temp = s[i]

s[i] = s[j]

s[j] = temp

def perm(s, left, right):

if left == right:

print(s)

else:

for i in range(left, right+1):

swap(s, left, i)

perm(s, left+1, right)

swap(s, left, i)

s = ‘abcdef’

perm (s)

# two loop is incorrect

def permutations(s):

for i in range(len(s) - 1):

for j in range(i+1, len(s)):

swap(s, i, j)

print(s)

permutations(s[1:])

swap(s, i, j)