1. Write a Python program to remove and print every third number from a list of numbers until the list becomes empty.

**Solution:**

def remove\_nums(int\_list):

#list starts with 0 index

position = 3 - 1

idx = 0

len\_list = (len(int\_list))

while len\_list>0:

idx = (position+idx)%len\_list

print(int\_list.pop(idx))

len\_list -= 1

nums = [10,20,30,40,50,60,70,80,90]

remove\_nums(nums)

1. Write a Python program to change a given string to a new string where the first and last chars have been exchanged.

Sample input:

abcd

12345

Sample output:

dbca

52341

**Solution:**

def change\_sring(str1):

return str1[-1:] + str1[1:-1] + str1[:1]

print(change\_sring('abcd'))

print(change\_sring('12345'))