import random

def key(s):

kk = [0]\*len(s)

for i in range(len(s)):

kk[i] = int(str(i))+1

print(kk)

random.shuffle(kk)

print(kk)

return kk

def sw(k,s):

for i in range(len(s)):

k[i] -= 1

word = [' ']\*len(s)

for i in range(len(s)):

word[i] = s[k[i]]

print(word)

s = input()

sw(key(s),s)