

第二次作业

```
# from itertools import permutations
# s=input("请输入字符串: ").strip(' ')
# i=0
# for element in permutations(s):
#     a = ''.join(element)
#     print(a)
#     i+=1
# print("有",i,"个")
s=list(input("请输入字符串: ").strip(' '))
perms=[]
def perm(s:list,next:int):
    if(next==len(s)-1):
        perms.append(s)
        return
    for i,j in enumerate(s[next:]):
        _s=s[:]
        _s[next],_s[i]=_s[i],_s[next]
        perm(_s,next+1)
perm(s,0)
perms=[''.join(x) for x in perms]
i=0
for element in perms:
    print(element)
    i+=1
print("有",i,"个")
```

请输入字符串: abc

abc

acb

bac

bca

cab

cba

有 6 个

请输入字符串: qwertyuiopa

有 39916800 个