## 有一个列表，[“北京”,”上海”,”广东”]

1. 将中国所有省会城市添加到上述列表中

list.append("天津")

1. 广东成为第二大发达城市，将广东排在上海前面
2. list=["北京","上海","广东"]  
   list.append(list[1])  
   list[1]=list[2]  
   del list[2]  
   print(list)
3. [36710.36,35427.10,29863.23,29667.39,27665.36,27650.45,27620.38,25369.20]这是中国GDP排名前8的城市的GDP数值，请统计前8城市的GDP总和，平均GDP。

sum=0  
average=0  
num =0  
list=[36710.36,35427.10,29863.23,29667.39,27665.36,27650.45,27620.38,25369.20]  
for i in range(len(list)):  
 num=list[i]  
 sum=sum+num  
average=sum/len(list)  
print("和","%.2f"%sum)  
print("平均数","%.2f" %average)

## 有以下一个列表，求其中是5的倍数的和

a = [1,5,21,30,15,9,30,24]

a = [1,5,21,30,15,9,30,24]  
sum=0  
for i in range(len(a)):  
 b=(a[i])%5  
 if b==0:  
 sum=sum+a[i]  
print(sum)

## 有下列列表，请编程实现列表的数据翻转（京东金融的测试开发笔试题）

List = [1,2,3,4,5,6,7,8,9]

实现效果：list = [9,8,7,6,5,4,3,2,1]

list = [1,2,3,4,5,6,7,8,9]  
list1=[]  
i=0  
c=len(list)-1  
while i<=c:  
 b=list[c-i]  
 list1.append(b)  
 i = i + 1  
print(list1)

list = [1,2,3,4,5,6,7,8,9]  
print(list[::-1])

## 请编程统计列表中的每个数字出现的次数(百度初级测试开发笔试题)

List = [1,4,7,5,8,2,1,3,4,5,9,7,6,1,10]

list = [1,4,7,5,8,2,1,3,4,5,9,7,6,1,10]  
list1=[]  
for i in range(len(list)):  
 a=list[i]  
 c = 0  
 for n in range(len(list)):  
 b = list[n]  
 if a==b :  
 c=c+1  
 if a in list1:  
 continue  
 else:  
 list1.append(a)  
 print(a, "(", c, ")", "次")