## 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
2. a = ["北京"**,**"上海"**,**"广州"]  
   while **1**:  
    b = input("请输入省会城市")  
    a.append(b)  
    print(a)
3. 广东成为第二大发达城市，将广东排在上海前面

a = ["北京"**,**"上海"**,**"广州"]  
a[**1**]**,**a[**2**] = a[**2**]**,**a[**1**]  
print(a)

1. [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。
2. a = [**36710.36,35427.10,29863.23,29667.39,27665.36,27650.45,27620.38,25369.20**]  
   k=**0**num = **0**while k<**8**:  
    num = num + a[k]  
    k = k + **1**print("总和："**,**num)  
   print("平均："**,**num/**8**)

## 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**]  
k=**0**num = **0**while k<**8**:  
 if a[k]%**5** == **0**:  
 num = num + a[k]  
 k = k+**1**print(num)

## 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**]  
i = **0**while i<**5**:  
 List[i]**,**List[**8**-i] = List[**8**-i]**,**List[i]  
 i = i+**1**print(List)

## 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**]  
j = **0**k = **0**a = **0**n = **0**while k<**15**:  
 a = List[**0**]  
 while j < **15**-k:  
 if a == List[j]:  
 n = n + **1** List.pop(j)  
 k = k+**1** j = j-**1** j = j+**1** print(a**,**"："**,**n)  
 j = **0** n = **0**