# implementation of Bubble Sort

def bubbleSort(arr):

    for i in range(n-1):

        for j in range(0, n-i-1):

            if arr[j] > arr[j + 1] :

                arr[j], arr[j + 1] = arr[j + 1], arr[j]

                print(arr)

arr = []

n = 5

for k in range(n):

    a=float(input("Top five scores are:"))

    arr.append(a)

bubbleSort(arr)

c=[]

print ("\*\*SORTED LIST IS\*\*")

for i in range(len(arr)):

    c.append(arr[i])

print(c)

# implementation of selection sort

def selectionSort(a):

    for i in range(n):

        small=i

        for j in range(i+1,n):

            if a[j]<a[small]:

                small=j

        temp=a[i]

        a[i]=a[small]

        a[small]=temp

        print(a)

a = []

n = 5

for k in range(n):

    b=float(input("Top five scores are:"))

    a.append(b)

selectionSort(a)

print("\*\*SORTED LIST IS\*\*")

print(a)