import array as a

def Selection\_Sort(m,n):

for i in range(len(m)):

min\_idx = i

for j in range(i + 1, len(m)):

if m[min\_idx] > m[j]:

min\_idx = j

m[i], m[min\_idx] = m[min\_idx], m[i]

print("Marks of students after performing Selection Sort on the list : ")

for i in range(len(m)):

print("%.2f"%m[i])

def bubble\_sort(a,n):

for p in range (1,n):

for q in range (0,n-p):

if(a[q]>a[q+1]):

temp =a[q]

a[q]=a[q+1]

a[q+1]=temp

print("marks after bubble sort :")

for n in range (0,n):

print("%.2f"%a[n])

def main():

arr=a.array('f',[])

l=int(input("enter number of student :"))

print ("enetr marks of student")

for i in range(0,l):

print("student ",i+1)

e=float(input())

arr.append(e)

print("----------students------------")

for n in range (0,l):

print("%.2f"%arr[n])

flag=1;

while True:

print("Menu:")

print("1. Selection Sort of the marks")

print("2. Bubble Sort of the marks")

print("3. top 5 student")

print("4. Exit")

choice = int(input("Enter your choice: "))

if choice == 1:

Selection\_Sort(arr,l)

elif choice == 2:

bubble\_sort(arr,l)

elif choice == 3:

print("top 5 students :")

for k in range (l-1,l-6,-1):

print("%.2f" %arr[k])

elif choice == 4:

break

else:

print("Invalid choice. Please enter a valid option.")

main()