###################################

class ListItem(object):

def \_\_init\_\_(self ,key,value):

self.key = key

self.value = value

class SortSequenceList(object):

def \_\_init\_\_(self):

self.SeqList=[]

def CreateSequenceListByInput(self,nElement):

self.SeqList.append(ListItem(int(0), 0))

print("请输入数据：")

for i in range(1,nElement+1):

a = input()

self.SeqList.append(ListItem(int(a), i))

def TraverseElementSet(self):

for i in range(1,len(self.SeqList)):

print(self.SeqList[i].key)

########################

#算法8-7 冒泡排序算法

########################

def BubbleSort(self):

SeqListLen = len(self.SeqList)

for i in range(1,SeqListLen-1):

for j in range(1,SeqListLen-i):

print("j=",j)

if self.SeqList[j+1].key < self.SeqList[j].key:

self.SeqList[0].key = self.SeqList[j].key

self.SeqList[j].key = self.SeqList[j+1].key

self.SeqList[j+1].key = self.SeqList[0].key

self.TraverseElementSet()

if \_\_name\_\_ =='\_\_main\_\_':

SL=SortSequenceList()

SL.CreateSequenceListByInput(7)

SL.BubbleSort()

print('排序算法结果为:')

SL.TraverseElementSet()