def bubbleSort(arr):

n = len(arr)

# Traverse through all array elements \n",

for i in range(n-1):

for j in range(0, n-i-1):

# traverse the array from 0 to n-i-1 \n",

# Swap if the element found is greater \n",

# than the next element \n",

if arr[j] > arr[j+1]:

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

arr=[]

Num=int(input("Enter the number of students "))

for i in range (Num):

per=float(input("Enter the percentage marks "))

arr.append(per)

bubbleSort(arr)

print ("Sorted array is:")

for i in range(len(arr)):

print ("%f" %arr[i])

a,b=10,20

print(a,b)

a,b=b,a

print(a,b)

def selectionSort(arr1):

for i in range(len(arr1)):

min\_idx = i

for j in range(i+1, len(arr1)):

if arr1[min\_idx] > arr1[j]:

min\_idx = j

# Swap the found minimum element with \n",

# the first element \n",

arr1[i], arr1[min\_idx] = arr1[min\_idx], arr1[i]

arr1=[]

Num=int(input("Enter the number of students "))

for i in range (Num):

per=float(input("Enter the percentage marks "))

arr1.append(per)

selectionSort(arr1)

# Driver code to test above \n",

print ("Sorted array")

for i in range(len(arr1)):

print("%f" %arr1[i])

a,b=10,20

print(a,b)

a,b=b,a

print(a,b)