def swap\_data(data, m, n):

temp = data[m]

data[m] = data[n]

data[n] = temp

def bubble\_sort(data):

num = len(data)

# for i in range(num, 1, -1):

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

for j in range(1,i):

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

swap\_data(data, j, j+1)

data = [1,3,8,5,6,7,4,9,2]

print(‘before bubble sort’)

for i in data:

print i,

bubble\_sort(data)

print(‘after bubble sort’)

for i in data:

print i,