Practice 05:

Implementation of Comb Sort in Python

Code:

def getNextGap(gap):

gap = (gap \* 10)//13

if gap < 1:

return 1

return gap

def combSort(arr):

n = len(arr)

gap = n

swapped = True

while gap !=1 or swapped == 1:

gap = getNextGap(gap)

swapped = False

for i in range(0, n-gap):

if arr[i] > arr[i + gap]:

arr[i], arr[i + gap]=arr[i + gap], arr[i]

swapped = True

# Main Function

arr = [ 8, 4, 1, 3, -44, 23, -6, 28, 0]

combSort(arr)

print ("Sorted array:")

for i in range(len(arr)):

print (arr[i],end=" ")