this is a sorting program

GET array1

GET array2

def sublist\_stop\_finder(i, which\_array)

sublist\_stop = ''

sublist\_start = i

if which\_array = 1

while sublist\_stop == ''

if array1[sublist\_start] > array1[sublist\_start+1]

sublist\_stop = sublist\_start

elif array1[i] <= array1[i+1]

sublist\_start += 1

return sublist\_stop

if which\_array = 2

while sublist\_stop == ''

if array2[sublist\_start] > array2[sublist\_start+1]

sublist\_stop = sublist\_start

elif array2[i] <= array2[i+1]

sublist\_start += 1

return sublist\_stop

def array\_sorter(sublist1\_start, sublist1\_end, sublist2\_start, sublist2\_end, which\_array, array\_start)

if which\_array == 1

for i\_first\_subarray in range (sublist1\_start, sublist1\_end+1)

for i\_second\_subarray in range (sublist2\_start, sublist2\_end+1)

if array1[i\_first\_subarray] < array1[i\_second\_subarray]

array2[array\_start]= array1[i\_first\_subarray]

array\_start += 1

elif array1[i\_first\_subarray] > array1[i\_second\_subarray]

array2[array\_start]= array1[i\_second\_subarray]

array\_start += 1

elif array1[i\_first\_subarray] == array1[i\_second\_subarray]

array2[array\_start]= array1[i\_second\_subarray]

array\_start += 1

return array\_start

elif which\_array == 2

for i\_first\_subarray in range (sublist1\_start, sublist1\_end+1)

for i\_second\_subarray in range (sublist2\_start, sublist2\_end+1)

if array2[i\_first\_subarray] < array2[i\_second\_subarray]

array1[array\_start]= array2[i\_first\_subarray]

array\_start += 1

elif array2[i\_first\_subarray] > array2[i\_second\_subarray]

array1[array\_start]= array2[i\_second\_subarray]

array\_start += 1

elif array2[i\_first\_subarray] == array2[i\_second\_subarray]

array1[array\_start]= array2[i\_second\_subarray]

array\_start += 1

return array\_start

def make\_sublists(array\_start, which\_array)

done = false

sublist1\_start = array\_start

sublist1\_end = sublist\_stop\_finder(array\_start, which\_array)

sublist2\_start = sublist1\_end + 1

sublist2\_end = sublist\_stop\_finder(sublist2\_start, which\_array)

return sublist1\_start, sublist1\_end, sublist2\_start, sublist2\_end, done

def which\_array()

if which\_array == 1

which\_array = 2

elif which\_array == 2

which\_array = 1

else

which\_array = 1

def main()

done = False

array\_start = 0

which\_array = 1

while done == False:

which\_array = which\_array\_finder(which\_array)

sublist1\_start, sublist1\_end, sublist2\_start, sublist2\_end, done = make\_sublists(array\_start, which\_array)

array\_start = array\_sorter(sublist1\_start, sublist1\_end, sublist2\_start, sublist2\_end, which\_array, array\_start)

print(f"array1 {array1}")

print(f"array2 {array2}")