def printUnion(arr1, arr2, m, n):

i, j = 0, 0

while i < m and j < n:

if arr1[i] < arr2[j]:

print(arr1[i])

i += 1

elif arr2[j] < arr1[i]:

print(arr2[j])

j+= 1

else:

print(arr2[j])

j += 1

i += 1

# Print remaining elements of the larger array

while i < m:

print(arr1[i])

i += 1

while j < n:

print(arr2[j])

j += 1

def printIntersection(arr1, arr2, m, n):

i, j = 0, 0

while i < m and j < n:

if arr1[i] < arr2[j]:

i += 1

elif arr2[j] < arr1[i]:

j+= 1

else:

print(arr2[j])

j += 1

i += 1

#Input arrays //Here I have initialised array for easier understanding

arr1 = [1, 2, 4, 5, 6]

arr2 = [2, 3, 5, 7]

m = len(arr1)

n = len(arr2)

printUnion(arr1, arr2, m, n)

print("-----------")

printIntersection(arr1, arr2, m, n)