```
In [1]: list1 = [10,20,40,60,70,80]
        list2 = [5,15,25,35,45,60]
        list3 = list1 + list2
        list4 = []
        print("Original list:",list3)
        length = len(list3)
        for i in range(0, length):
            list4.append(min(list3))
            list3.remove(min(list3))
        print("sorted list in increasing order:",list4)
```

```
Original list: [10, 20, 40, 60, 70, 80, 5, 15, 25, 35, 45, 60]
sorted list in increasing order: [5, 10, 15, 20, 25, 35, 40, 45, 60, 60, 70, 80]
```

```
In [1]: list1 = [0,1,2,10,4,1,0,56,2,0,1,3,0,56,0,4]
        list1.sort()
        print("sorted list is:",list1)
        length = len(list1)
        for i in range(0,length-1,1):
            if list1[0] == 0:
                list1.append(list1.pop(list1[0]))
        print("all the 0's at the end",list1)
```

```
sorted list is: [0, 0, 0, 0, 0, 1, 1, 1, 2, 2, 3, 4, 4, 10, 56, 56]
all the 0's at the end [1, 1, 1, 2, 2, 3, 4, 4, 10, 56, 56, 0, 0, 0, 0, 0]
```