**Given ' n' integers, create two lists : one  list with the first n/2 integers if n is even (or with the first (n/2+1) integers when n is odd) and the other list with the remaining elements.**

Sort both the lists in an ascending order separately and name the first list as A and the second sorted list as B.

Merge both the lists A and B, and create a new list called C such that all the elements of A & B are in C and the elements are in an ascending order.

Given n numbers and another number, k, write an algorithm and the subsequent code to output whether k is present in the list A or B, the position of k in A (or B) and the position of k in C. If k is not present in any of the lists A or B, your code should output -1.

**Illustration :**

Input numbers : 2, 50, 6 ,17,10, 11,12,5

LIst 1 = [2,50,6,17]   ; List2 = [10,11,12,5]

Sort the List 1 : A : [2,6,17,50]

sort the list 2 : B :  [5,10,11,12]

Now merge the two lists A & B and output a new list  C which is sorted and with all the elements of A and B.

C : [2,5,6,10,11,12,17,50]

Given a number 17,  17 is present in A, Position of 17 in A is 2, Position of 17 in C is 6