Problem 1.

Create 2 new Nodes, one that will hold the values temporarily and then send them to the original node.

Create a while loop that will run until list1 and list are not null

Check which data is bigger between list1 and list2 data.

For this create an if statement with list1.data <list2.data

If list2.data is bigger, store the list1 in the temp list

Else, store the list2 to the temp list

Store all current values in the temp node.

One list will go null, after the comparison between them so the while loop will stop, and not all the values will be stored.

Create an if statement if the list is null, store the other list values in the temp node.

Return the result node (it has all the values)

Problem 2.

Create a HashMap with keys and values as integers

Create a for loop to insert the data in that HashMap, until the length of the list of numbers is empty.

Insert in the HashMap by using the put method, first insert the values (list[i]) and then the position of the values (i), because if you put the position of the value will get a different output (you will get the values that get to that target, instead of the position of the values)

Create a new int that will store the difference between the value from the table and the target number

Check if the HashMap contains that new int value (the difference)

If yes, check so the values are not the same, by not letting the new int position be the same as i

Return a new int array with 2 values, the first position of the difference between list[i] and target, and another the current position of i.\

This will get you only one solution, I created another project that will provide you with all the solutions, the only change I made is that instead of storing values in an int array, I stored them in another HashMap.