Merging-Two-Sorted-LinkedList

class Solution {

public ListNode mergeTwoLists(ListNode l1, ListNode l2) {

ListNode node = null;

if(l1 == null)

return l2;

if(l2 == null)

return l1;

if(l1.val <= l2.val)

{

node = l1;

node.next = mergeTwoLists(l1.next, l2);

}

else

{

node =l2;

node.next = mergeTwoLists(l1,l2.next);

}

return node;

}

}