16TH J&N 2023

FIRST:-

Linked List that is Sorted Alternatingly :: Easy

Given a Linked list of size **N**, the list is in alternating ascending and descending orders. Sort the given linked list in non-decreasing order.

Example 1:

Input:

LinkedList: 1->9->2->8->3->7

Output: 1 2 3 7 8 9

Explanation: After sorting the given list will be 1->2->3->7->8->9.

Example 2:

Input:

LinkedList: 13->99->21->80->50

Output: 13 21 50 80 99

Explanation: After sorting the given list

will be 12-> 21-> 50-> 80-> 99.

Your Task:

You do not need to read input or print anything. The task is to complete the function **sort**() which should sort the linked list in non-decreasing order.

Expected Time Complexity: O(N) **Expected Auxiliary Space:** O(1)

Constraints:

```
1 <= Number of nodes <= 100
0 <= Values of the linked list <= 10^3
```

CODE SECTION:-

-: Done for the today :-