

21. Merge Two Sorted Lists

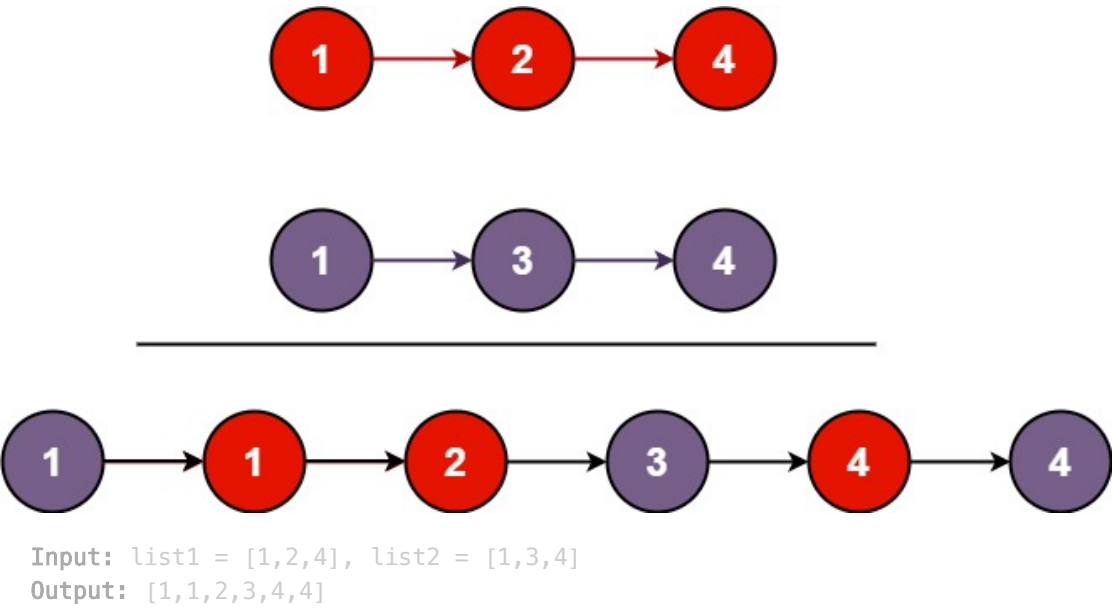
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You are given the heads of two sorted linked lists `list1` and `list2`.

Merge the two lists into one **sorted** list. The list should be made by splicing together the nodes of the first two lists.

Return *the head of the merged linked list*.

Example 1:



Example 2:

Input: `list1 = []`, `list2 = []`
Output: `[]`

Example 3:

Input: `list1 = []`, `list2 = [0]`
Output: `[0]`

Constraints:

- The number of nodes in both lists is in the range `[0, 50]`.
- `-100 <= Node.val <= 100`
- Both `list1` and `list2` are sorted in **non-decreasing** order.

Seen this question in a real interview before? 1/4

Yes No

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