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21. Merge Two Sorted Lists

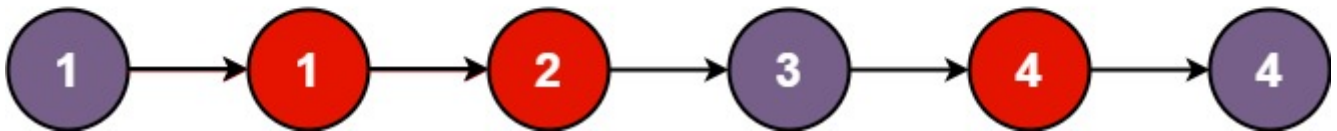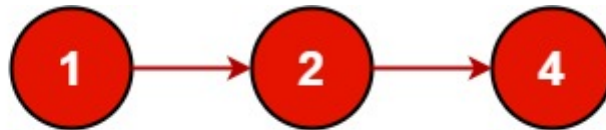**Easy**   👍 12039   👎 1104   ♡ Add to List   ⬆ Share

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

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

Return *the head of the merged linked list*.

Example 1:


```
Input: list1 = [1,2,4], list2 = [1,3,4]
Output: [1,1,2,3,4,4]
```

Example 2:

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

Example 3:

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

▤ Problems   ✕ Pick One