

Description

Solution

Discuss (999+)

Submissions

C++

Autocomplete

i

{}

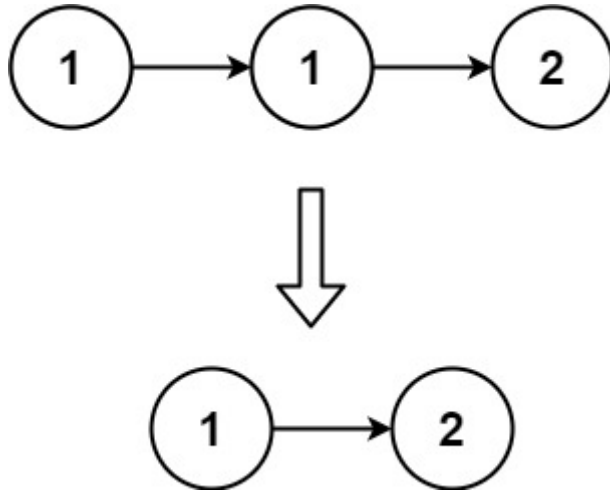
↺

83. Remove Duplicates from Sorted List

Easy 5283 193 Add to List Share

Given the `head` of a sorted linked list, *delete all duplicates such that each element appears only once*. Return the linked list **sorted** as well.

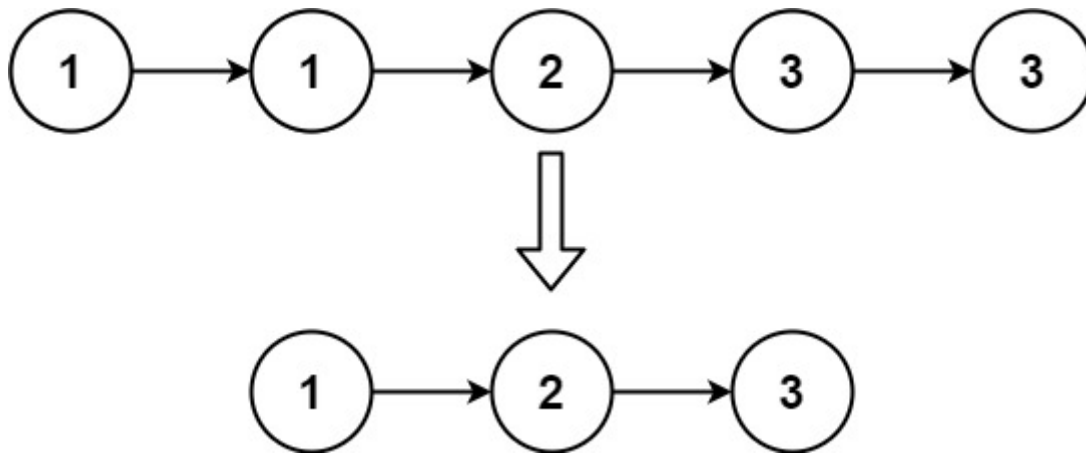
Example 1:



Input: head = [1,1,2]

Output: [1,2]

Example 2:



Input: head = [1,1,2,3,3]

Output: [1,2,3]

Constraints:

- The number of nodes in the list is in the range $[0, 300]$.
- $-100 \leq \text{Node.val} \leq 100$
- The list is guaranteed to be **sorted** in ascending order.

Accepted 920,568

Submissions 1,862,773

Seen this question in a real interview before?

Yes

No

Companies

Related Topics

Similar Questions

```

1  /**
2   * Definition for singly-linked
3   * list.
4   * struct ListNode {
5   *     int val;
6   *     ListNode *next;
7   *     ListNode() : val(0),
8   *     next(nullptr) {}
9   *     ListNode(int x) : val(x),
10    *     next(nullptr) {}
11    *     ListNode(int x, ListNode
12    *     *next) : val(x), next(next) {}
13    * };
14    */
15    class Solution {
16    public:
17        ListNode*
18        deleteDuplicates(ListNode* head)
19        {
20            if(head==NULL || head-
21            >next==NULL) return head;
22
23            ListNode* prev = head;
24            ListNode* curr = head-
25            >next;
26
27            while(curr!=NULL) {
28                if(prev->val ==
29                curr->val) {
30                    curr=curr->next;
31                }
32                else {
33                    prev->next=curr;
34                    prev=curr;
35                    curr=prev->next;
36                }
37            }
38            prev->next=NULL;
39            return head;
40        }
41    };
  
```

Testcase

Run Code Result

Debugger

Accepted

Runtime: 0 ms

?

Your input

[1,1,2]

Output

[1,2]

Diff

Expected

[1,2]

Problems

Pick One

< Prev

83/2344

Next >

Example cases

?

Run Code ^

Submit