

Remove Duplicates from Sorted List

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Given a sorted linked list, delete all duplicates such that each element appear only *once*.

For example,

Given 1->1->2 , return 1->2 .

Given 1->1->2->3->3 , return 1->2->3 .

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Python



```
1 # Definition for singly-linked list.
2 # class ListNode(object):
3 #     def __init__(self, x):
4 #         self.val = x
5 #         self.next = None
6
7 class Solution(object):
8     def deleteDuplicates(self, head):
9         """
10         :type head: ListNode
11         :rtype: ListNode
12         """
13         while head!=None and head.next!=None and head.next.val==head.val:head
14         l=r=head
15         if r!=None:r=r.next
16         while r!=None:
17             if not(r.next!=None and r.next.val==r.val):
18                 l.next=r
19                 l=l.next
20             r=r.next
21             l.next=None
22         return head
```

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