83. Remove Duplicates from Sorted List

Total Accepted: **118001** Total Submissions: **319209** Difficulty: **Easy**

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.

```
/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     ListNode *next;
 *     ListNode(int x) : val(x), next(NULL) {}
 * };
 */
class Solution {
public:
    ListNode* deleteDuplicates(ListNode* head) {
        if(head == NULL) return NULL;
        ListNode *prev = head;
        ListNode *cur = head->next;
        while(cur!=NULL)
        {
            if(prev->val == cur->val)
            {
                ListNode *temp = cur;
                prev->next = cur->next;
                delete cur;
            }else
            {
                prev=cur;
            }
            cur = cur->next;
        }
        return head;
    }
};
```