86. Partition List

Medium ₺ 1044 ♀ 263 ♡ Add to List ഥ Share

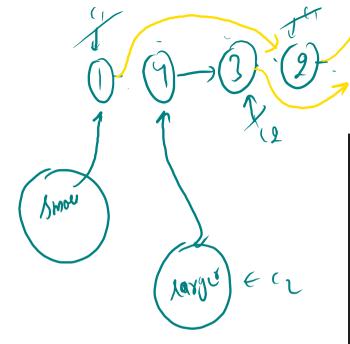
Given a linked list and a value x, partition it such that all nodes less than x come before nodes greater than or equal to x.

You should preserve the original relative order of the nodes in each of the two partitions.

Example:

Input: head = 1->4->3->2->5->2, x = 3

Output: 1->2->2->4->3->5



```
ListNode *partition(ListNode *head, int x)
ListNode *small = new ListNode(-1);
ListNode *curr1 = small;
ListNode *larger = new ListNode(-1);
ListNode *curr2 = larger;
while (head != nullptr)
    if (head->val < x)</pre>
        curr1->next = head;
        curr1 = head;
    else
        curr2->next = head;
        curr2 = head;
    head = head->next;
curr2->next = nullptr; 🞸
curr1->next = larger->next;
return small->next;
```