

- The number of nodes in the list is in the range [0, 200].
- -100 <= Node.val <= 100
- -200 <= x <= 200

Accepted 558.9K | Submissions 1M | Acceptance Rate 55.2%

Approach 1: Kind of sewing the nodes

There two nodes: before list, afterlist

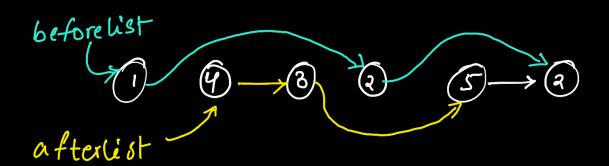
The voices that are less than x.

The afterlist to sew all the nodes that are greater than x.

7 now link before list tail to the

attitus, mad





now make afterlist tail to point to NULL: and point beforelist tail to afterlist head

$$(1) \rightarrow (2) \rightarrow (2) \rightarrow (3) \rightarrow (5)$$

This is the required state of list

```
class Solution {
public:
    ListNode* partition(ListNode* head, int x) {
        ListNode *b=new ListNode(0);
        ListNode* tb=b; - îo return newhead
        ListNode *a=new ListNode(0);
        ListNode* ta=a; > To append afterlist head to
                             the beforelist tail.
        while(head){
             if(head->val < x){
                 b->next = head;
                 b=b->next;
                 a->next=head;
                 a=a->next;
             }
             head=head->next;
        }
        b->next=ta->next; linking beforelist tail to
        a->next=NULL;
                      Comaving afferlist tail to point to
        return tb->next;
    }
};
```

(n): 0 (n) 3 (n): 0 (2)