

REVERSE K GROUPS

```
class Solution
{
    public ListNode reverseKGroup(ListNode head, int k)
    {
        ListNode result = new ListNode(0);
        ListNode prev = result;
        ListNode curr = head;
        ListNode tail = null;
        int index=0;

        while(curr !=null)
        {
            tail=curr;
            while(curr!=null && index++ < k)
            {
                curr=curr.next;
            }
            if(index >=k)
            {
                index=0;
                prev.next = reverseList(tail,k);
                prev = tail;
            }
            else
            {
                prev.next=tail;
            }
        }
    }
}
```

```
        return result.next;
    }
    private ListNode reverseList(ListNode head,int k)
    {
        ListNode curr = head;
        ListNode prev = null;
        while(curr!=null && k-- >0)
        {
            ListNode next = curr.next;
            curr.next = prev;
            prev = curr;
            curr = next;
        }
        return prev;
    }
}
```