# 25. Reverse Nodes in k-Group

## SOLUTION IN JAVA

class Solution {

public ListNode reverseKGroup(ListNode head, int k) {

if (head == null)

return null;

ListNode tail = head;

for (int i = 0; i < k; ++i) {

if (tail == null)

return head;

tail = tail.next;

}

ListNode newHead = reverse(head, tail);

head.next = reverseKGroup(tail, k);

return newHead;

}

private ListNode reverse(ListNode head, ListNode tail) {

ListNode prev = null;

ListNode curr = head;

while (curr != tail) {

ListNode next = curr.next;

curr.next = prev;

prev = curr;

curr = next;

}

return prev;

}}