# 24. Swap Nodes in Pairs

## SOLUTION IN JAVA

class Solution {

public ListNode swapPairs(ListNode head) {

final int length = getLength(head);

ListNode dummy = new ListNode(0, head);

ListNode prev = dummy;

ListNode curr = head;

for (int i = 0; i < length / 2; ++i) {

ListNode next = curr.next;

curr.next = next.next;

next.next = curr;

prev.next = next;

prev = curr;

curr = curr.next;

}

return dummy.next;

}

private int getLength(ListNode head) {

int length = 0;

for (ListNode curr = head; curr != null; curr = curr.next)

++length;

return length;

}

}