

5652. Swapping Nodes in a Linked List

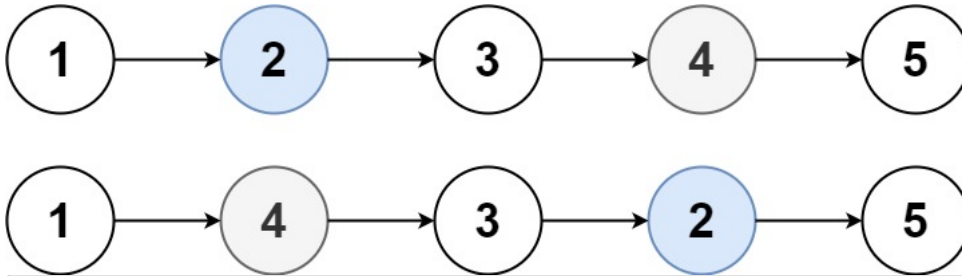
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You are given the head of a linked list, and an integer k.

Return the head of the linked list after **swapping** the values of the k^{th} node from the beginning and the k^{th} node from the end (the list is **1-indexed**).

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Example 1:



Input: head = [1,2,3,4,5], k = 2
Output: [1,4,3,2,5]

Example 2:

Input: head = [7,9,6,6,7,8,3,0,9,5], k = 5
Output: [7,9,6,6,8,7,3,0,9,5]

Example 3:

Input: head = [1], k = 1
Output: [1]

Example 4:

Input: head = [1,2], k = 1
Output: [2,1]

Example 5:

Input: head = [1,2,3], k = 2
Output: [1,2,3]

Constraints:

- The number of nodes in the list is n.
- $1 \leq k \leq n \leq 10^5$
- $0 \leq \text{Node.val} \leq 100$

JavaScript



```
1 /**
2  * Definition for singly-linked list.
3  * function ListNode(val, next) {
4  *     this.val = (val===undefined ? 0 : val)
5  *     this.next = (next===undefined ? null : next)
6  * }
7  */
8 /**
9  * @param {ListNode} head
10 * @param {number} k
11 * @return {ListNode}
12 */
```

```
13 ▾ var swapNodes = function(head, k) {  
14  
15 };
```

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