

Problem Challenge 2

We'll cover the following

- Rotate a LinkedList (medium)
- Try it yourself

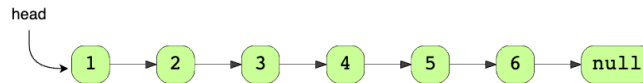
Rotate a LinkedList (medium)

Given the head of a Singly LinkedList and a number 'k', rotate the LinkedList to the right by 'k' nodes.

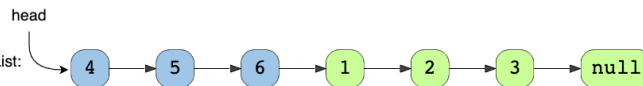
Example 1:

k=3

Original List:



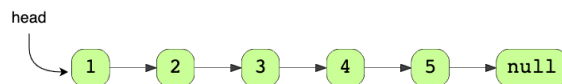
Rotated LinkedList:



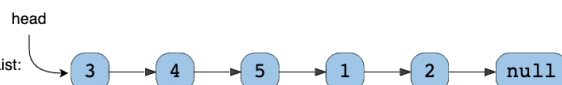
Example 2:

k=8

Original List:





Rotated LinkedList:





Try it yourself

Try solving this question here:

 Java

 Python3

 JS


 C++

```
1 import java.util.*;
2
3 class ListNode {
4     int value = 0;
5     ListNode next;
6
7     ListNode(int value) {
8         this.value = value;
9     }
10 }
11
12 class RotateList {
13
14     public static ListNode rotate(ListNode head, int rotations) {
15         // TODO: Write your code here
16         return head;
17     }
18
19     public static void main(String[] args) {
20         ListNode head = new ListNode(1);
21         head.next = new ListNode(2);
22         head.next.next = new ListNode(3);
23         head.next.next.next = new ListNode(4);
24         head.next.next.next.next = new ListNode(5);
25         head.next.next.next.next.next = new ListNode(6);
26
27         ListNode result = RotateList.rotate(head, 3);
28         System.out.print("Nodes of the reversed LinkedList are: ");
```

Run

Save

Reset



[← Back](#)

[Next →](#)

