

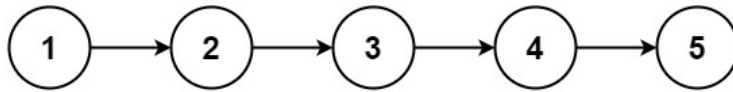
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## 61. Rotate List

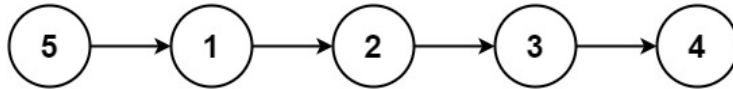
Medium 2869 1182 Add to List Share

Given the `head` of a linked list, rotate the list to the right by `k` places.

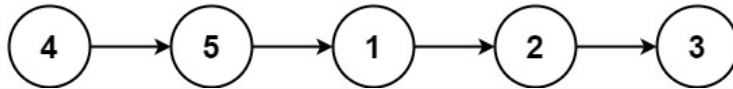
Example 1:



rotate 1



rotate 2



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

Output: [4,5,1,2,3]

Example 2:

```

1  # Definition for singly-linked list.
2  # class ListNode:
3  #     def __init__(self, val=0, next=None):
4  #         self.val = val
5  #         self.next = next
6  class Solution:
7  def rotateRight(self, head: ListNode, k: int) -> ListNode:
8  if(head == None):
9      return None
10 if(head.next == None):
11     return head
12 temp = head
13 count = 0
14 while(temp):
15     count+=1
16     temp = temp.next
17 k = k%count
18 while(k>0):
19     temp = head
20     prev = None
21     while(temp.next):
22         prev = temp
23         temp = temp.next
24
25     temp.next = head
26     prev.next = None
27     head = temp
28     k-=1
29 return head
30
  
```

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323

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