Rotate list

```cpp
class Solution {
 public:
  ListNode* rotateRight(ListNode* head, int k) {
    if (!head || !head->next || k == 0)
      return head;
    ListNode* tail;
    int length = 1;
    for (tail = head; tail->next; tail = tail->next)
      ++length;
    tail->next = head;
    const int t = length - k % length;
    for (int i = 0; i < t; ++i)
      tail = tail->next;
    ListNode* newHead = tail->next;
    tail->next = nullptr;
    return newHead;
  }
};
```

Accepted 232 / 232 testcases passed

Editorial   Solution

12ananya submitted at Feb 13, 2025 22:18

Runtime

0 ms | Beats 100.00% 👋

✦ Analyze Complexity

Memory

16.52 MB | Beats 4.19%

100%

50%

</> Code

C++ ⌄   🔒 Auto

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11   class Solution {
12    public:
13     ListNode* rotateRight(ListNode* head, int k) {
14       if (!head || !head->next || k == 0)
15         return head;
16       ListNode* tail;
17       int length = 1;
18       for (tail = head; tail->next; tail = tail->next)
19         ++length;
20       tail->next = head;
21       const int t = length - k % length;
22       for (int i = 0; i < t; ++i)
23         tail = tail->next;
```

Saved