

## Problem Challenge 1

We'll cover the following

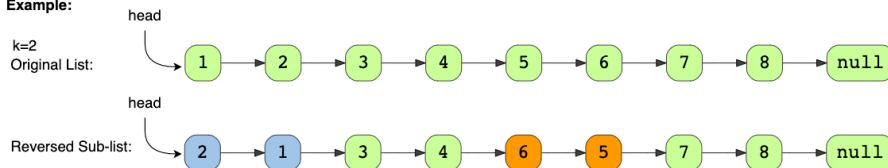
- Reverse alternating K-element Sub-list (medium)
- Try it yourself

### Reverse alternating K-element Sub-list (medium) #

Given the head of a LinkedList and a number 'k', **reverse every alternating 'k' sized sub-list** starting from the head.

If, in the end, you are left with a sub-list with less than 'k' elements, reverse it too.

Example:



### 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 ReverseEveryKElements {
13
14     public static ListNode reverse(ListNode head, int k) {
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         head.next.next.next.next.next.next = new ListNode(7);
27         head.next.next.next.next.next.next.next = new ListNode(8);
28     }
29 }
```

Run Save Reset ↺

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Next →

Reverse every K-element Sub-list (me...

Solution Review: Problem Challenge 1

✓ Mark as Completed

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