Find the middle of a given linked list in Java

if given linked list is 1->2->3->4->5 then output should be 3.

If there are even nodes, then there would be two middle nodes, we need to print second middle element. For example, if given linked list is 1->2->3->4->5->6 then output should be 4.

Remove duplicate element from sorted Linked List

Given a singly linked list consisting of **N** nodes. The task is to remove duplicates (nodes with duplicate values) from the given list (if exists).

Example:
Input:
2
4
2 2 4 5
5
2 2 2 2 2

Output:
2 4 5
2

Rotate a Linked List

Given a singly linked list, rotate the linked list counter-clockwise by k nodes. Where k is a given positive integer. For example, if the given linked list is 5->10->15->20->25->30 and k is 4, the list should be modified to 25->30->5->10->15->20. Assume that k is smaller than the count of nodes in linked list.