Middle of the Linked List:

876. Middle of the Linked List

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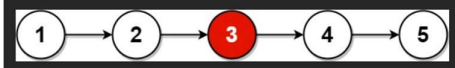
Given the `head` of a singly linked list, return *the middle node of the linked list.*

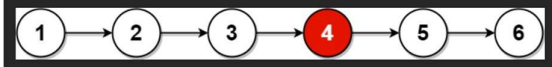
If there are two middle nodes, return **the second middle** node.

Example 1:



Input: head = [1,2,3,4,5]
Output: [3,4,5]
Explanation: The middle node of the list is node 3.

Example 2:



Input: head = [1,2,3,4,5,6]
Output: [4,5,6]
Explanation: Since the list has two middle nodes with values 3 and 4, we return the second one.

```c
/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     struct ListNode *next;
 * };
 */
struct ListNode* middleNode(struct ListNode* head) {
    if(head==NULL){
        return head;
    }

    struct ListNode * fast,*slow;
    fast=head;
    slow=head;
    while(fast!=NULL && fast->next!=NULL){
        fast=fast->next->next;
        slow=slow->next;
    }
    return slow;

}
```

Output:

Input

head =
[1,2,3,4,5]

Output

[3,4,5]

Expected

[3,4,5]