


LeetCode Problem – 876

876. Middle of the Linked List

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.

Solution:

```
1 /**
2  * Definition for singly-linked list.
3  * struct ListNode {
4  *     int val;
5  *     struct ListNode *next;
6  * };
7  */
8 struct ListNode* middleNode(struct ListNode* head) {
9     struct ListNode *i=head, *j=head;
10    while(j !=NULL && j->next !=NULL)
11    {
12        i=i->next;
13        j=j->next->next;
14    } head=i ;
15    return head;
16 }
```