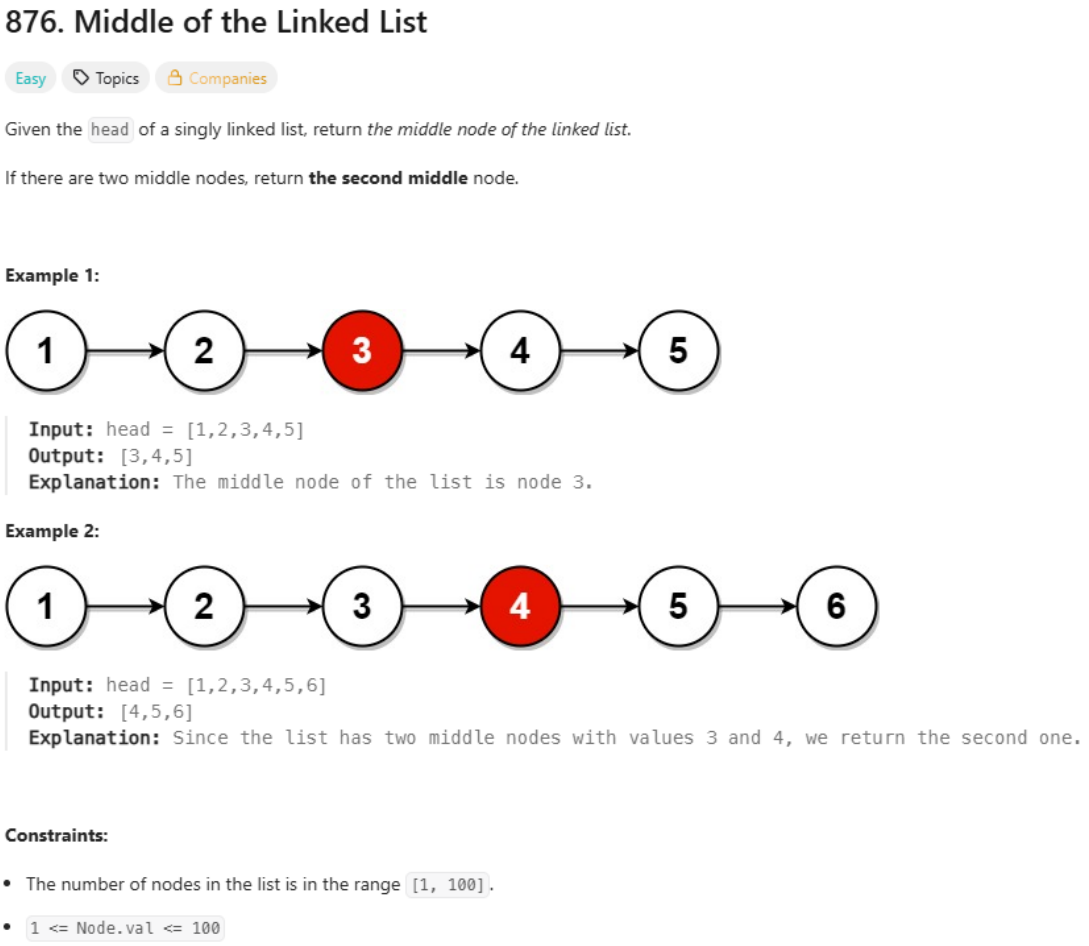
LEETCODE PROBLEM – 876



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:

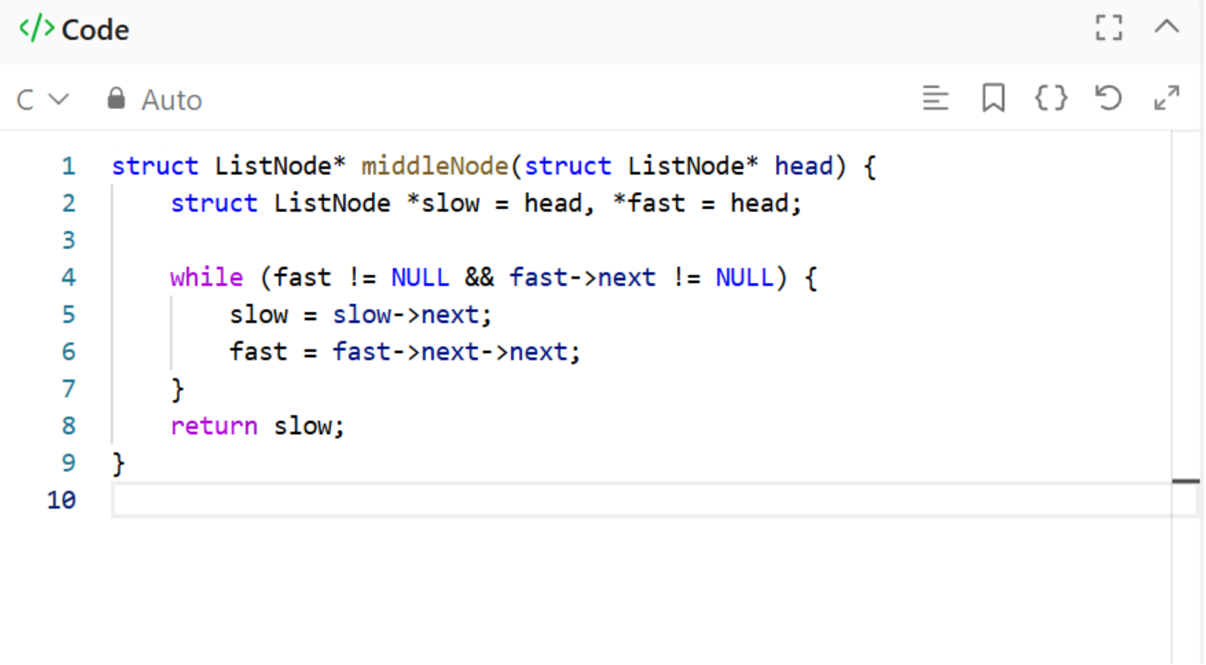
```
Input: head = [1,2,3,4,5]
Output: [3,4,5]
Explanation: The middle node of the list is node 3.
```

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.
```

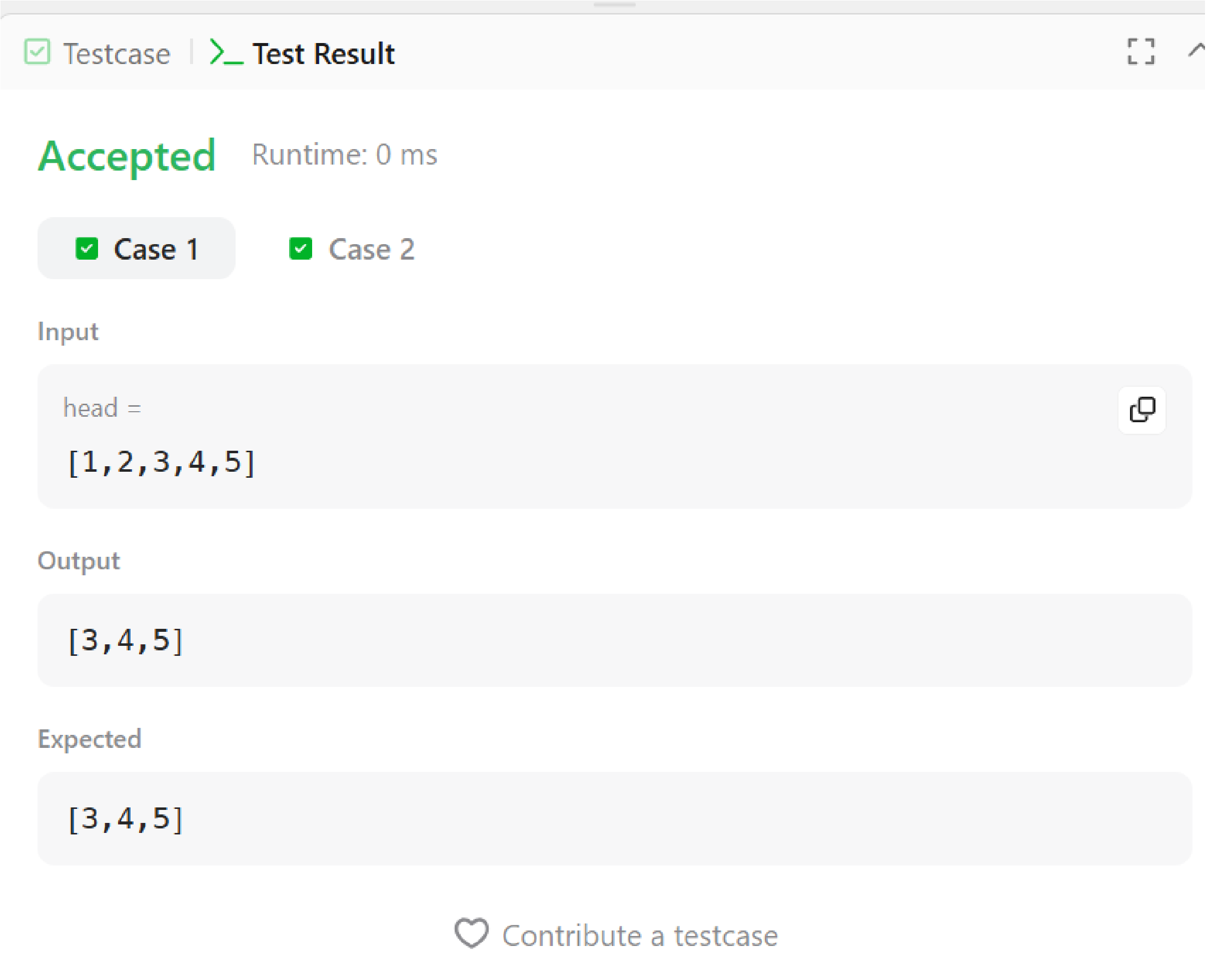
Constraints:

- The number of nodes in the list is in the range `[1, 100]`.
- `1 <= Node.val <= 100`



```c
struct ListNode* middleNode(struct ListNode* head) {
    struct ListNode *slow = head, *fast = head;

    while (fast != NULL && fast->next != NULL) {
        slow = slow->next;
        fast = fast->next->next;
    }
    return slow;
}
```



Accepted Runtime: 0 ms

☑ Case 1 ☑ Case 2

Input

head =

```
[1,2,3,4,5]
```

Output

```
[3,4,5]
```

Expected

```
[3,4,5]
```