

Middle of the linked list (LeetCode 1)

Code:

```
class Solution {
public:
    ListNode* middleNode(ListNode* head) {
        ListNode* slow = head;
        ListNode* fast = head;
        while (fast != nullptr && fast->next != nullptr) {
            slow = slow->next;
            fast = fast->next->next;
        }
        return slow;
    }
};
```

Output:

case 1

Input:

head =

[1, 2, 3, 4, 5]

Output:

[3, 4, 5]

Expected:

[3, 4, 5]

case 2

Input:

head =

[1, 2, 3, 4, 5, 6]

Output:

[4, 5, 6]

Expected:

[4, 5, 6]