

## Middle of the Linked List

Easy

Given a non-empty, singly linked list with head node `head`, return a middle node of linked list. If there are two middle nodes, return the second middle node.

### Example 1:

**Input:** [1,2,3,4,5]

**Output:** Node 3 from this list (Serialization: [3,4,5])

The returned node has value 3. (The judge's serialization of this node is [3,4,5]).

Note that we returned a `ListNode` object `ans`, such that:

`ans.val = 3`, `ans.next.val = 4`, `ans.next.next.val = 5`, and `ans.next.next.next = NULL`.

### Example 2:

**Input:** [1,2,3,4,5,6]

**Output:** Node 4 from this list (Serialization: [4,5,6])

Since the list has two middle nodes with values 3 and 4, we return the second one.

### Note:

- The number of nodes in the given list will be between 1 and 100.