**SOLUTION**

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\* Definition for singly-linked list.

\* struct ListNode {

\* int val;

\* ListNode \*next;

\* ListNode(int x) : val(x), next(NULL) {}

\* };

\*/

class Solution {

public:

ListNode\* middleNode(ListNode\* head) {

ListNode\* slow=head;

ListNode\* fast=head;

while(fast && fast->next){

slow=slow->next;

fast=fast->next->next;

}

return slow;

}

};

**TIME COMPLEXITY: O(N)**

**SPACE COMPLEXITY: O(1)**