[LeetCode](https://leetcode.com/problems/middle-of-the-linked-list/description/?envType=daily-question&envId=2024-03-07)

<https://github.com/AdityaKonda6/-50DaysOfCoding>

<https://leetcode.com/problems/middle-of-the-linked-list/description/?envType=daily-question&envId=2024-03-07>

<https://www.linkedin.com/in/aditya-adi-konda/>

Day 17 of [#50dayscodingchallenge](https://www.linkedin.com/feed/hashtag/?keywords=50dayscodingchallenge&highlightedUpdateUrns=urn:li:activity:7166316239483461633):  
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Just kicked off my coding journey with a fascinating problem - "Successfully solved LeetCode Problem “876. Middle Of Linked List” !”  
   
✨ Task: 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.

Examples:

Example 1:

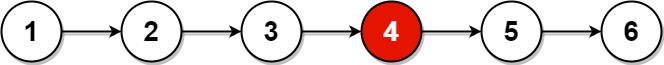


Input: head = [1,2,3,4,5]

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.

Let's Connect:

If you find this problem intriguing or have insights to share, let's connect! I'm passionate about problem-solving, algorithmic thinking, and collaborative learning. Feel free to comment or reach out for engaging discussions and knowledge exchange.Unravel the mystery using your coding skills!

[#CodingChallenge](https://www.linkedin.com/feed/hashtag/?keywords=codingchallenge&highlightedUpdateUrns=urn:li:activity:7166316239483461633) [#Algorithm](https://www.linkedin.com/feed/hashtag/?keywords=algorithm&highlightedUpdateUrns=urn:li:activity:7166316239483461633) [#LinkedInPost](https://www.linkedin.com/feed/hashtag/?keywords=linkedinpost&highlightedUpdateUrns=urn:li:activity:7166316239483461633) #Algorithm #Optimization #DataStructures #CodingChallenge  
  
Excited about the progress and challenges ahead!  
   
Make Sure You Follow My GitHub For Solutions: <https://github.com/AdityaKonda6/-50DaysOfCoding>  
  
  
Happy coding!

**Solution:-**

class Solution {

  public ListNode middleNode(ListNode head) {

    ListNode slow = head;

    ListNode fast = head;

    while (fast != null && fast.next != null) {

      slow = slow.next;

      fast = fast.next.next;

    }

    return slow;

    }

}

