

```
1 package LinkedList;
2
3 class FindMiddleNode {
4
5     public Node findMiddleNode(Node head) {
6
7         Node slow = head;
8         Node fast = head;
9
10        while ( fast != null && fast.next != null ) {
11
12            fast = fast.next.next;
13            slow = slow.next;
14        }
15
16        return slow;
17    }
18
19    public static void main(String[] args) {
20
21        Node headOne = new Node(1);
22        Node temp = headOne;
23        for (int i = 2; i < 2; i++) {
24            temp.next = new Node(i);
25            temp = temp.next;
26        }
27
28        System.out.println(new FindMiddleNode().findMiddleNode(null).val);
29    }
30 }
```