

```
1 package LinkedList;
2
3 class ReverseLinkedList {
4
5     public Node reverseNonRecursively(Node head) {
6
7         Node slow = null;
8         Node fast = head;
9
10        while (fast != null) {
11
12            Node next = fast.next;
13            fast.next = slow;
14            slow = fast;
15            fast = next;
16        }
17
18        return slow;
19    }
20
21    public Node reverseRecursively(Node head) {
22
23        if (head == null || head.next == null) {
24            return head;
25        }
26
27        Node next = head.next;
28        Node newHead = reverseRecursively(next);
29        next.next = head;
30        head.next = null;
31
32        return newHead;
33    }
34
35
36    public static void main(String[] args) {
37
38        Node headOne = new Node(1);
39        Node temp = headOne;
40        for (int i = 2; i < 2; i++) {
41            temp.next = new Node(i);
42            temp = temp.next;
43        }
44
45        Node headTwo = new Node(1);
46        temp = headTwo;
47        for (int i = 2; i < 2; i++) {
48            temp.next = new Node(i);
49            temp = temp.next;
50        }
51
52        Node resultOne = new ReverseLinkedList().reverseNonRecursively(headOne);
53        Node resultTwo = new ReverseLinkedList().reverseRecursively(headTwo);
54
55        return;
56    }
57 }
```