

剑指offer第14题

```
1 package niuke;
2 /**
3  * @author tfxidian E-mail: tfxidian@163.com
4  * @version 创建时间: 2018年10月11日 下午7:52:10
5  * 类说明
6  */
7 public class FindK {
8     public static class ListNode {
9         int val;
10        ListNode next = null;
11
12        ListNode(int val) {
13            this.val = val;
14        }
15    }
16    public static void main(String[] args) {
17        ListNode [] listNode = new ListNode[6];
18        for (int i = 0; i < 6; i++) {
19            listNode[i] = new ListNode(i);
20        }
21        for (int i = 0; i < listNode.length-1; i++) {
22            listNode[i].next = listNode[i+1];
23        }
24
25        System.out.println(listNode[0].next.val);
26        FindKthToTail(listNode[0], 3);
27    }
28
29    public static ListNode FindKthToTail(ListNode head,int k) {
30        ListNode node = head;
31        int countNode = 0;
32        if (head == null ) {
33            return null;
34        }
35        while (node!=null) {
36            countNode++;
37            node=node.next;
38        }
39        System.out.println(countNode);
40        if (k>countNode) {
41            return null;
42        }
```

```
43     node = head;
44     for (int i = 0; i < countNode-k; i++) {
45         node = node.next;
46     }
47     System.out.println(node.val);
48     return head;
49
50 }
51
52 }
53
```