```
1  import static java.lang.System.out;
2
3  /****
4   *
5   * This is a testing program for the simple implementation in linked-list{h,c}.
6   *
7   */
8
9  public class LinkedListTest {
10
11     /**
12      * Print the given list with the given debugging message one line above the
13      * list output.
14      */
15     static void print(LinkedList l, String msg) {
16         out.printf("List contents, should be %s\n                          ",
17             msg);
18         l.printList();
19         out.printf("\n");
20     }
21
22     /**
23      * Allocate a linked list, insert some values in it, and print it out after
24      * each insert.
25      */
26     public static void main (String args[]) {
27         LinkedList l;
28
29         l = new LinkedList();
30         print(l, "empty");
31
32         l.insert(new ListNode(0), 0);
33         print(l, "0");
34
35         l.insert(new ListNode(1), 1);
36         print(l, "0,1");
37
38         l.insert(new ListNode(2), 2);
39         print(l, "0,1,2");
40
41         l.insert(new ListNode(3), 3);
42         print(l, "0,1,2,3");
43
44         l.insert(new ListNode(-1), 0);
45         print(l, "-1,0,1,2,3");
46
47         l.insert(new ListNode(10), 3);
48         print(l, "-1,0,1,10,2,3");
49
50         l.insert(new ListNode(100), 6);
51         print(l, "-1,0,1,10,2,3,100");
52
53         l.insert(new ListNode(100), l.length+1);
54         print(l, "-1,0,1,10,2,3,100");
55
56         l.insert(new ListNode(100), -1);
57         print(l, "-1,0,1,10,2,3,100");
58
59     }
60
61 }
```