```
 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  }
```