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1  /*
2      Question 7
3      Creator: Wahid Bawa
4      Purpose: To create a clone method to clone a preexisting linked list on to an empty linked list
5  */
6  public class LList {
7      private LNode head, tail;
8
9      public LList() {
10         head = null;
11         tail = null;
12     }
13
14     public void add(int val) {
15         LNode tmp = new LNode(val, tail, null);
16         if (tail != null) {
17             tail.setNext(tmp);
18         }
19         if (head == null) {
20             head = tmp;
21         }
22         tail = tmp;
23     }
24
25     public String toString() { // displays the parts of the linked list
26         String ans = "";
27         LNode tmp = head;
28         while (tmp != null) {
29             ans += tmp.getVal() + (tmp.getNext() == null ? "" : "-");
30             tmp = tmp.getNext();
31         }
32         return ans;
33     }
34
35     public LList clone() { // creates and returns a copy of the list
36         LList newList = new LList();
37         LNode tmp = head;
38         while (tmp != null) { // loops through all existing values and adds them
39             newList.add(tmp.getVal());
40             tmp = tmp.getNext();
41         }
42         return newList;
43     }
44 }
```