C:\Users\Rich\Documents\NetBeansProjects\Lab05\src\StinglyListTest.java

```
1
2 /**
3  *
4  * @author Rich
5  */
6 import java.util.Random;
7
8 public class StinglyListTest {
9     public static void main(String[] args) {
10
11         StinglyLinkedList<Integer> linkedList = new StinglyLinkedList<>();
12
13         Random rand = new Random();
14         for (int i = 0; i < 10; ++i)
15         {
16             int randNum = rand.nextInt(101);
17             linkedList.addFirst(randNum);
18         }
19         System.out.println("Printing the contents of the List\n" + linkedList.toString());
20
21         System.out.println("The first Element in the list: "  + linkedList.first());
22
23         System.out.println("The last Element in the list "  + linkedList.last() );
24
25         StinglyLinkedList<Integer> linkedList2 = new StinglyLinkedList<>();
26         linkedList2.addLast(1);
27         linkedList2.addLast(2);
28         linkedList2.addLast(3);
29         System.out.println("The contents of List # 2\n" + linkedList2.toString());
30
31         StinglyLinkedList<Integer> linkedList3 = new StinglyLinkedList<>();
32         linkedList3.addFirst(3);
33         linkedList3.addFirst(2);
34         linkedList3.addFirst(1);
35         System.out.println("The contents of List # 3\n" + linkedList3.toString());
36
37         System.out.println("Are List 2 and List 3 equal? " + linkedList2.equals(linkedList3));
38
39         linkedList2.removeFirst();
40         System.out.println("The contents of List # 2 after removal of first node\n" + linkedList2.toString());
41         linkedList3.removeLast();
42         System.out.println("The contents of List # 3 after remove of last element\n" + linkedList3.toString());
43         System.out.println("Are List 3 and List 2 equal?" + linkedList2.equals(linkedList3));
44     }
45
46 }
47
```