```java
import components.sequence.Sequence;
import components.sequence.Sequence1L;
import components.simplewriter.SimpleWriter;
import components.simplewriter.SimpleWriter1L;
import components.stack.Stack;
import components.stack.Stack1L;

/**
 * HW20
 *
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 */
public final class practice {

    /**
     * Default constructor--private to prevent
  instantiation.
     */
    private practice() {
        // no code needed here
    }

    /**
     * Reverses ("flips") {@code this}.
     *
     * @updates this
     * @ensures this = rev(#this)
     */
    //this method works though its no an instance method
    public void flipSequenceRecursive() {
        // temporary stack
        Sequence<String> tempo = new Sequence1L<>();

        if (this.length() > 0) {
```

```
34              tempo.add(0, this.remove(0));
35              this.flipSequenceRecursive();
36          }
37          this.transferFrom(tempo);
38      }
39
40      // this method should work but it gives an error
41      public void flipStack() {
42          // temporary stack
43          Stack<String> tempo = new Stack1L<>();
44
45          for (String x : this) {
46              tempo.push(x);
47          }
48          int len = this.length();
49          for (int i = 0; i < len; i++) {
50              this.transferFrom(tempo);
51          }
52      }
53
54      /**
55       * Reverses ("flips") {@code this}.
56       *
57       * @updates this
58       * @ensures this = rev(#this)
59       */
60      public void flipSequence() {
61          Sequence<String> tempis = new Sequence1L<>();
62          int a = 0;
63          for (String x : this) {
64              tempis.add(a, x);
65              a++;
66          }
67          int len = this.length();
```

```
68          for (int i = 0; i < len; i++) {
69              this.transferFrom(tempis);
70          }
71      }
72
73      /**
74       * Main method.
75       *
76       * @param args
77       *             the command line arguments; unused here
78       */
79      public static void main(String[] args) {
80          SimpleWriter out = new SimpleWriter1L();
81      }
82
83  }
84
```