```java
 1 import components.queue.Queue;
 4
 5 /**
 6  * Simple HelloWorld program (clear of Checkstyle and FindBugs
   warnings).
 7  *
 8  * @author P. Bucci
 9  */
10 public final class HelloWorld {
11
12     /**
13      * Default constructor--private to prevent instantiation.
14      */
15     private HelloWorld() {
16         // no code needed here
17     }
18
19     /**
20      * Reverses ("flips") {@code this}.
21      *
22      * @param s
23      *            queue that holds values
24      * @updates s
25      * @ensures s = rev(#s)
26      */
27     public static void flip2(Queue s) {
28         int length = s.length(); // get length of queue
29         String[] arr = new String[length]; //make array with same
   length
30         int i = length - 1; // start at the end of the queue
31         while (0 < i) {
32             arr[i] = (String) s.dequeue(); //put the queue from the
   last to the first in the array
33             i--;//reduce i until it's zero
34         }
35         i = 0; //reset the value in case there was an error, i can
   probably take this out
36         while (i < length -1) { //now reputting the value flipped
37             s.enqueue(arr[i]);
```

```java
38              i++;
39          }
40          // no return statement
41      }

43      /**
44       * Reverses ("flips") {@code this}.
45       * @param <T>
46       *
47       * @updates this
48       * @ensures this = rev(#this)
49       */
50      public <T> void flip(Queue <T> s ) {
51 s.flip(); //easy built in flip method
52      }


54      /**
55       * Main method.
56       *
57       * @param args
58       *            the command line arguments; unused here
59       */
60      public static void main(String[] args) {
61          SimpleWriter out = new SimpleWriter1L();
62          out.println("Hello World!");
63          out.close();
64      }

66 }
67
```