

```
1 import components.stack.Stack;
2 import components.stack.Stack1L;
3
4 /**
5  * Model class.
6  *
7  * @author Bruce W. Weide
8  * @author Paolo Bucci
9  */
10 public final class AppendUndoModel1 implements AppendUndoModel {
11
12     /**
13      * Model variable input.
14      */
15     private String input;
16
17     /**
18      * Model variable output.
19      */
20     private Stack<String> output;
21
22     /**
23      * Default constructor.
24      */
25     public AppendUndoModel1() {
26         /*
27          * Initialize model; both variables start as empty strings
28          */
29         this.input = "";
30         this.output = new Stack1L<>();
31     }
32
33     @Override
34     public void setInput(String input) {
35         this.input = input;
36     }
37
38     @Override
39     public String input() {
40         return this.input;
41     }
42
43     @Override
44     public Stack<String> output() {
```

```
45         return this.output;  
46     }  
47  
48 }  
49
```