

```
1 public final class AppendUndoModel1 implements AppendUndoModel {
2
3     /**
4      * Model variables.
5      */
6     private String input;
7     private Stack<String> output = new Stack1<>();
8
9     /**
10      * Default constructor.
11      */
12     public AppendUndoModel1() {
13         /**
14          * Initialize model; both variables start as empty strings
15          */
16         this.input = "";
17         this.output.push("");
18     }
19
20     @Override
21     public void setInput(String input) {
22         this.input = input;
23     }
24
25     @Override
26     public String input() {
27         return this.input;
28     }
29
30     @Override
31     public Stack<String> output() {
32         return this.output;
33     }
34
35 }
```