

```
1 // joi/examples/Reverse.java
2 /**
3 // Copyright 2003 Bill Campbell and Ethan Bolker
4
5 import java.util.ArrayList;
6
7 /**
8 * Reverse the order of lines entered from standard input.
9 */
10
11 public class Reverse
12 {
13
14     /**
15      * Read lines typed at the terminal until end-of-file,
16      * saving them in an ArrayList.
17      *
18      * Then print the lines in reverse order.
19      */
20
21     public static void main( String[ ] args )
22     {
23         Terminal t = new Terminal();
24         ArrayList list = new ArrayList();
25         String line;
26
27         while ( (line = t.readLine()) != null ) {
28             list.add(line);
29         }
30
31         for ( int i = list.size()-1; i >= 0; i-- ) {
32             line = (String)list.get(i);
33             t.println( line );
34         }
35     }
36 }
37 }
```