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