

```

1 // fo1/9/copy/Copy2.java
2 //
3 //
4 // Copyright 2003 Bill Campbell and Ethan Bolker
5
6 import java.io.*;
7
8 /**
9  * Simple read-a-line write-a-line loop to exercise file I/O.
10  *
11  * Usage: java Copy2 inputFile outputFile
12  */
13
14 public class Copy2
15 {
16     /**
17      * All work is done here.
18      *
19      * @param args names of the input file and output file.
20      */
21
22     public static void main( String[] args )
23     {
24         BufferedReader inStream = null;
25         BufferedWriter outStream = null;
26         String line;
27
28         try {
29             // open the files
30             inStream = new BufferedReader(new FileReader(args[0]));
31             outStream = new BufferedWriter(new FileWriter(args[1]));
32
33             // copy
34             while ((line = inStream.readLine()) != null) {
35                 outStream.write( line );
36                 outStream.newLine();
37             }
38
39             catch (IndexOutOfBoundsException e) {
40                 System.err.println(
41                     "usage: java Copy2 sourcefile targetfile" );
42             }
43             catch (FileNotFoundException e) {
44                 System.err.println( e ); // rely on e's toString()
45             }
46             catch (IOException e) {
47                 System.err.println( e );
48             }
49             finally { // close the files
50                 try {
51                     if (inStream != null) {
52                         inStream.close();
53                     }
54                 }
55                 catch (Exception e) {
56                     System.err.println("Unable to close input stream.");

```

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57     }
58     try {
59         if (outStream != null) {
60             outStream.close();
61         }
62     }
63     catch (Exception e) {
64         System.err.println("Unable to close output stream.");
65     }
66 }
67 }
68 }

```