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1 // joi/4/textfiles/Directory.java
2 /**
3 /**
4 // Copyright 2003 Ethan Bolker and Bill Campbell
5 // This draft contains just stubs for the methods.
6 // You can invoke them all, but none will do anything.
7 //
8 /**
9 /**
10 * Directory of TextFiles.
11 * @version 4
12 */
13 /**
14 public class Directory
15 {
16 /**
17 * construct a Directory.
18 */
19 /**
20 public Directory( )
21 {
22 }
23 /**
24 /**
25 * The size of a directory is the number of TextFiles it contains.
26 *
27 * @return the number of TextFiles.
28 */
29 /**
30 /**
31 public int getSize()
32 {
33     return 0;
34 }
35 /**
36 * Add a TextFile to this Directory. Overwrite if a TextFile
37 * of that name already exists.
38 *
39 * @param name the name under which this TextFile is added.
40 * @param afile the TextFile to add.
41 */
42 /**
43 public void addTextFile(String name, TextFile afile)
44 /**
45 /**
46 /**
47 /**
48 /**
49 /**
50 /**
51 /**
52 /**
53 /**
54 /**
55 /**
56 /**

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57 /**
58 * return null;
59 */
60 /**
61 * Get the contents of this Directory as an array of
62 * the file names, each of which is a String.
63 */
64 /**
65 * @return the array of names.
66 */
67 public String[] getFileNames()
68 /**
69 * pseudocode for an implementation:
70 /**
71 * declare an array of String
72 * create that array with as many spaces as there
73 * are TextFile's in this directory
74 * loop through the keys of the TreeMap of TextFiles,
75 * adding each String key to the array
76 /**
77 * the next line is there because we have to return
78 * __something__ in order to satisfy the compiler
79 */
80 /**
81 /**
82 * main, for unit testing.
83 */
84 /**
85 * The command
86 /**
87 * <pre>
88 * java Directory
89 * </pre>
90 /**
91 * should produce output
92 * bill    17   Sun Jan 06 19:40:13 EST 2003   diary
93 * eb     12   Sun Jan 06 19:40:13 EST 2003   greeting
94 * (with current dates, of course).
95 */
96 /**
97 public static void main( String[] args )
98 /**
99 * Directory dir = new Directory();
100 * dir.addTextFile("greeting", new TextFile("eb", "Hello, world"));
101 * // now list TextFiles in dir to get output specified
102 */
103 /**
104 /**

```