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1 // Example 8.2 foi/examples/StringDemo.java
2 //
3 //
4 // Copyright 2003 Bill Campbell and Ethan Bolker
5
6 // A class illustrating Strings
7 //
8 // %> java StringDemo
9 // certainly = "yes!"
10 // bankName = "Dewey, Cheatham and Howe"
11 // bankName.charAt( 0 ) = D
12 // bankName.charAt( 5 ) = ,
13 // bankName.indexOf('e') = 1
14 // bankName.indexOf('e', 6) = 9
15 // bankName.indexOf('x') = -1
16 // "cake".compareTo("care") = -7
17 // bankName.substring( 7, 12 ) = Cheat
18 // bankName.substring( 7 ) = Cheatham and Howe
19 // bankName.toUpperCase() = "DEWEY, CHEATHAM AND HOWE"
20 // bankName.replace('e', 'x') = "Dxwxy, Chxatham and Howx"
21 // bankName.concat("i") = "Dewey, Cheatham and Howe!"
22 // " x y z \t\b".trim() = "x y z"
23 // %>
24
25 public class StringDemo
26 {
27     public static void main( String[] args )
28     {
29         Terminal t = new Terminal();
30
31         String bankName = "Dewey, Cheatham and Howe";
32         String alias = new String( bankName );
33         char[] carray = {'y', 'e', 's', 'i'};
34         String certainly = new String(carray);
35
36         t.println( "certainly = \" + certainly + "\"" );
37
38         t.println( "bankName = \" + bankName + "\"" );
39         t.println( "bankName.charAt( 0 ) = " + bankName.charAt( 0 ) );
40         t.println( "bankName.charAt( 5 ) = " + bankName.charAt( 5 ) );
41
42         t.println("bankName.indexOf('e') = " + bankName.indexOf('e'));
43         t.println("bankName.indexOf('e', 6) = " +
44             bankName.indexOf('e', 6));
45         t.println("bankName.indexOf('x') = " + bankName.indexOf('x'));
46
47         t.println( "\"cake\".compareTo(\"care\") = " +
48             "cake".compareTo("care") );
49
50         t.println( "bankName.substring( 7, 12 ) = " +
51             bankName.substring( 7, 12 ) );
52         t.println( "bankName.substring( 7 ) = " +
53             bankName.substring( 7 ) );
54
55         t.println( "bankName.toUpperCase() = \" + " +
56             bankName.toUpperCase() + "\"" );

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57         t.println( "bankName.replace('e', 'x') = \" + " +
58             bankName.replace('e', 'x') + "\"" );
59         t.println( "bankName.concat(\"i\") = \" + " +
60             bankName.concat("i") + "\"" );
61         t.println( " \" + " +
62             " x y z \t\b\".trim() = \" + " +
63             " x y z \t\b\".trim() + "\"" );
64     }

```