

```
1: // $Id: matching.java,v 1.2 2014-03-24 20:51:41-07 - - $
2:
3: //
4: // Synopsis: matching [-i] pattern
5: // Matches CASE_INSENSITIVE if -i is specified, otherwise not.
6: // Only reads from stdin.
7: // BUGS: Doesn't do proper error checking.
8: //
9:
10: import java.util.Scanner;
11: import java.util.regex.Pattern;
12: import static java.lang.System.*;
13: import static java.util.regex.Pattern.*;
14:
15: class matching {
16:     static void usage() {
17:         err.printf ("Usage: matching [-i] pattern%n");
18:         exit (1);
19:     }
20:     public static void main (String[] args) {
21:         out.printf ("matching");
22:         for (String arg: args) out.printf (" %s", arg);
23:         out.printf ("%n");
24:         if (args.length < 1) usage();
25:         int insensitive = 0;
26:         int pattpos = 0;
27:         if (args[0].startsWith ("-")) {
28:             if (args.length != 2) usage();
29:             if (! args[0].equals ("-i")) usage();
30:             insensitive = CASE_INSENSITIVE + UNICODE_CASE;
31:             pattpos = 1;
32:         }
33:         Pattern pattern = Pattern.compile (args[pattpos], insensitive);
34:         Scanner stdin = new Scanner (System.in);
35:         while (stdin.hasNextLine()) {
36:             String line = stdin.nextLine();
37:             if (pattern.matcher(line).find()) out.println (line);
38:         }
39:     }
40: }
41:
42: //TEST// ( echo line of lower case data \
43: //TEST// ; echo LINE OF UPPER CASE DATA \
44: //TEST// ) >test.data
45: //TEST// ./matching -i '[a-z]' <test.data >output.insens
46: //TEST// ./matching '[a-z]' <test.data >output.sens
47: //TEST// catnv test.data output.insens output.sens >more.output
48: //TEST// rm test.data output.insens output.sens
49: //TEST// mkpspdf Listing.ps matching.java more.output
50:
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1: -rw-----. 1 66 Mar 24 20:51 output.insens
2: -rw-----. 1 39 Mar 24 20:51 output.sens
3: -rw-----. 1 48 Mar 24 20:51 test.data
4:
5: =====
6: File: test.data
7: -----
8:      1  line of lower case data
9:      2  LINE OF UPPER CASE DATA
10: =====
11:
12:
13: =====
14: File: output.insens
15: -----
16:      1  matching -i [a-z]
17:      2  line of lower case data
18:      3  LINE OF UPPER CASE DATA
19: =====
20:
21:
22: =====
23: File: output.sens
24: -----
25:      1  matching [a-z]
26:      2  line of lower case data
27: =====
28:
```