

```
1: // $Id: currenttime.java,v 1.6 2013-03-28 16:44:17-07 - - $
2:
3: import static java.lang.System.*;
4:
5: class currenttime {
6:     static final int DAY_LENGTH = 24 * 60 * 60 * 1000;
7:
8:     static int intyear (long now) {
9:         return Integer.parseInt (String.format ("%tY", now));
10:    }
11:
12:     static int intmonth (long now) {
13:         return Integer.parseInt (String.format ("%tm", now));
14:    }
15:
16:     public static void main (String[] args) {
17:         long now = System.currentTimeMillis();
18:         long days = now / DAY_LENGTH;
19:         long time = now % DAY_LENGTH;
20:         out.printf ("It is now %d = %<1tc.%n", now);
21:         out.printf ("%tA, %<tB %<te, %<tY, %<t1:%<tM:%<tS.%<tL"
22:             + " %<Tp %<tZ%n", now);
23:         out.printf ("It is %d days since January 1, 1970.%n", days);
24:         out.printf ("It is %.3f seconds since midnight ", time / 1e3);
25:         out.printf ("at the Royal Observatory Greenwich.%n");
26:         out.printf ("The offset from GMT for %tZ is %<tz%n", now);
27:         out.printf ("int year = %d, int month = %d%n",
28:             intyear (now), intmonth (now));
29:     }
30:
31: }
32:
33: //TEST// ./currenttime >currenttime.out 2>&1
34: //TEST// mkpspdf currenttime.ps currenttime.java* currenttime.out
35:
```

[illegible]

```
1: It is now 1420252451265 = Fri Jan 02 18:34:11 PST 2015.  
2: Friday, January 2, 2015, 6:34:11.265 PM PST  
3: It is 16438 days since January 1, 1970.  
4: It is 9251.265 seconds since midnight at the Royal Observatory Greenwich  
.  
5: The offset from GMT for PST is -0800  
6: int year = 2015, int month = 1
```