Testing

time of day clock & code
accurate variables that represent
the time down to 20 milliseconds:

* Leap year
* daylight savings time

function
Code → handles leap years

2012-02-28   2012-02-28
2011-02-29
2013-02-29
2000-02-29

> [Call] call this function when the time
rolls over from 23:59:59.98   to
                  00:00:00.00

input to function is current date (at 23:59)
output from function - correct date

ECGR 4101/5101 —   Lecture 17
Expect to pass: Return   ②

MM DD YYYY
12 - 31 - 2011 →   01 - 01 - 2012
12 - 30 - 2011 →   12 - 31 - 2011
02 - 28 - 2012 →   02 - 29 - 2012
02 - 28 - 2011 →   03 - 01 - 2011
01 - 30 - 2011 →   01 - 31 - 2011
01 - 31 - 2011 →   02 - 01 - 2011

02 - 28
03 - 30
04 - 31
   - 30
05 - 30
   - 31
06   '
07   '
08   '
09   '
10   '
11 .

02 - 29 - 2012 → 03 - 01 - 2012
02 - 29 - 2012 → 02 - 29 - 2012

function
⎡ setdate
⎢ Call the "roll-over date"
⎢ Verify worked
⎣ Loop back until no more input data