**CSSE 304   Day 02**

**Estimated Schedule (I won't do this every day)**:
a)  Announcements & roll call (5 min)
b)  Your non-Scheme questions (5 minutes)
c)  Slides, mainly about lambda (5 minutes)
d)  Running the A1 test code offline (3 minutes)
e)  Scheme intro live code demo (22 minutes)
f)  Your questions about Scheme (10 minutes)
g)  I set an alarm for 10 minutes before the end of class to make sure that we have that time.
h)  If you run out of questions, back to live coding.

i)  **A place for notes on Student questions and instructor answers**

**Main ideas from today:**

1.  Most of today's content is in the live demo.  But first,…

2.  In Scheme, _____ is not a procedure.  Instead it is syntax used to _____ procedures.

3.  Which Maple operator is most like Scheme's *lambda*?      _____

4.  `(define list-sum`    ; finds the sum of a list of numbers
      `(lambda (lon)`

5.  Your notes on the Scheme live coding (or follow along on your computer):

    `cond` vs. `case` vs. nested `if` (via `letter-to-number`)

`vector-sum` (for 3D vectors as in A1 and A2)          `largest-in-list`


`make-adder` (not about snake creation!)


```
(positives '(2 -5 4 6 -2 -3 0 1)) ➔ (2 4 6 1)
```


`count-reflexive-pairs`