## CSSE 304 Day 10

0. Curried versions of member? and map:

Write the following four list procedures in the style, so we can notice and exploit the similarities and differences

- 1. (define member?-c
- 2. (define apply-to-all

3. (define list-sum

4. (define list-product

5. Write a procedure that abstracts the list processing in the above procedures:	
(define list-recur	6. Use list-recur to define the procedures from 1-4:
	(define member?-c
	(define apply-to-all
	(define apply to all
	(define list-sum
	(define list-prod
7. Use list-recur to define length:	
(define length	
(332 233 233 23	

a. Think of other procedures that can be written using list-recur. Write them.

b. Of the five procedures that we wrote using list-recur, one is a bad idea. Which one, and why?

8. Before the next class meeting: