

The background features three vertical bars on the left: a wide light red bar, a narrower teal bar, and a narrow light beige bar. The right side of the slide is white with a grid of small red dots in the top right and bottom right corners.

CSC-151

Monday October 13

Fall 2025



AGENDA

1. Announcements

2. Reading Review

3. Lab

4. Wrap-up



ANNOUNCEMENTS

Coding Challenge 6

Due Thursday
Any questions?

Quiz 6 on Wednesday

New topic: List Recursion
We're going to take the whole
class for quizzes again

CS Events

CS Table

- Tuesday 12 – 1, JRC upstairs
- Topic: Mink Wic

CS Extras

- Thursday 4:15pm Noyce 3821
- Snacks at 4 in the commons!!
- Topic: Grad school

READING REVIEW

1

The reading suggested three major *list motions*: traversal, insertion, and deletion

What category do you think each of the following procedures falls into?

➤ (intersperse 7 (list 1 2 3 4))
(1 7 2 7 3 7 4)

➤ (drop-zeroes (list 1 3 0 8 0 0 1 0))
(list 1 3 8 1)

➤ (count-true (list #t #f #t #t #f #f))
3

READING REVIEW

2


Write a match expression to take different actions depending on whether the list is empty, has one element, or more than one element.

```
(define some-procedure  
  (lambda (lst)  
    (match lst  
      []  
      ....))
```



Coding Demo

Options:

- Extra 3 from lab on Friday (snoc)
 - Question from the reading today (replace-first)
- 

Questions?





NOTES FOR THE LAB

**Don't forget to include documentation
and testing on each problem**

DON'T FORGET...

- **Work on CC6**
- **Prepare for the quiz on Wednesday**

