

# 6.001 Recitation 9: Quiz 1 Review

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<http://people.csail.mit.edu/dalleyg/6.001/SP2007/>

7 Mar 2007

# Announcements

- **Daylight Savings Time change:** lose 1 hour Sunday morning.
- Cheat sheets
  - Oops, 2 are allowed, but more than 1 is probably pointless
  - Handwritten or printed: either is okay
- Old Quizzes:
  - <http://web.mit.edu/amdragon/www/6.001-07-sp/quizzes.html>
- No recitation on Friday

# Common procedures you should know and love

```
(define (length lst)
  (if (null? lst) 0
      (+ 1 (length (cdr lst)))))
```

```
(define (map proc lst)
  (if (null? lst) '()
      (cons (proc (car lst))
            (map proc (cdr lst)))))
```

```
(define (filter pred lst)
  (cond ((null? lst) '())
        ((pred (car lst))
         (cons (car lst) (filter pred (cdr lst))))
        (else (filter pred (cdr lst)))))
```

```
(define (fold-right op init lst)
  (if (null? lst) init
      (op (car lst)
          (fold-right op init (cdr lst)))))
```

# leopardy Rules

- Write your answer on the board
- Turn around and raise your hand
- Team consultation allowed
- Round-robin answering
- Scoring
  - **Correct answer:** responder gets points
  - **Successful challenge:** challenger gets points, responder loses points
  - **Failed challenge:** challenger loses points
  - **Wrong answer:** responder loses points
- Trick questions are fair game!

