Today
- Review Words and Sentences
- Review Conditionals
- Helper Procedures

Something we’ll see a lot of...
- **Constructors**: procedures to make a piece of data
  - word and sentence
- **Selectors**: procedures to return parts of that data piece
  - first, butfirst, etc.

Sentence and Word Selectors
- These work on sentences and words
  - butfirst
    - give you a sentence (for sentence)
    - give you a word (for a word)
  - butlast
    - give you a sentence (for sentence)
    - give you a word (for a word)
  - first
    - give you a word (always)
  - last
    - give you a word (always)

IF & COND Statements
```
(if <predicate>
   <true case>
   <false case>)
(cond
   (predicate1 return_expression1)
   (predicate2 return_expression2)
   (else return_expression3))
```
and, or and not

- and - true only if all are true
- or - true if any are true
- not - true only if the one argument is false.

Helper Procedures

- Help make complicated programs simple
- Believe
- Make a cake
  - Prepare the cake batter
  - Bake the cake
  - Ice the cake
    (define (make-cake x)
     (ice (bake (make-batter x)))
    (define (bake x)
     '(you baked))

Prepare the cake batter

- Get Bowl
- Get Beater
- Get Ingredients
- Measuring cups
- Electricity
- Get bowl
- Get ingredients
- Stir

Bake the Cake

- Heat oven
- Put cake in oven
- Close door

Prepare the cooked Cake

- Let cool
- Remove from pan
- Ice it