

CS3L: Introduction to Symbolic Programming

Lecture 2:
Review – Writing Procedures

Summer 2008

Colleen Lewis
colleenL@berkeley.edu

Today

- Review of some things from yesterday
- Defining functions
- Scheme stuff
- Class Lunch!!!

BOGGLE STYLE: Things you learned yesterday

- Work with a partner
- You have one minute!
- Make a list of all the thing you did/learned yesterday (in CS3)
- BOGGLE STYLE:
 - 0 points if someone else has the same answer
 - 1 point if no one else has the same answer

Some answers from Boggle

- Java based windowing sucks
- Learning how to save buffer window
- Learned how to use cylex monkey
- Name for mystery function
- Run emacs from prompt (emacs &)
- Learned unix commands
- Learned about fav. Restaurants
- How to define a procedure
- Call functions
- How to make a too many error
- How to login to ssh Scp (within emacs)
- How to add in scheme
- Ctrl-D resets STk
- EMACS init file for new students accounts has Ctrl+D bound (
- Ctrl-X, 1 brings a new window
- Make a scheme comment
- How o work from home
- How to make a too few number error
- How to connect to the lab computers at home
- How to make directories
- How to save directories.
- How to use emacs keyboard macros

Procedure Name Placeholders

```
(define (average x y)
```

```
  ( / (+ x y) 2 ))
```

Keyword

Body

Write your answer on paper!

```
(define (f x)
  (* x 3)
  (+ x 10))
(f 1) = ???
```

Descriptive Placeholders

```
(define (area x y)
  (* x y))
```

↓ (better)

```
(define (area length width)
  (* length width))
```



Don't reuse procedure names as arguments!

```
(define (square x)
  (* x x))
```

```
(define (area square)
  (square square))
```

