

### **Review**

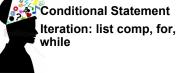
David E. Culler CS8 – Computational Structures in Data Science http://inst.eecs.berkeley.edu/~cs88

### Lecture 5

Feb 29, 2016

# **Computational Concepts Toolbox**

- Data type: values, literals, operations,
- Expressions, Call expression
- Variables
- Assignment Statement
- Sequences: tuple, list
- Data structures
- Tuple assignment
- Call Expressions
- Function Definition
  Statement



- Higher Order Functions
  - Functions as Values
  - Functions with functions as argument
  - Assignment of function values
- Higher order function patterns
  - Map, Filter, Reduce
- Function factories create and return functions
- Recursion
  - Linear, Tail, Tree



### **Administrative Issues**

- Cuke Tourney => leaderboard
- Midterm Friday 3/4 5-7 pm in 405 Soda
  - 8.5 x 11 Cheat sheet (yours)
  - Class study key (we will provide one)
- · Lab 04 is review
  - due Wed 11:59 so we can give you solutions Thursday morning (vote)
- HW 04 is practice test => Thurs
  - More review
  - Out Tues morning do lab first (vote)
- Review Session Wed 6-8, 405 Soda

# **Review Notebook**



### UCB CS88 Sp16 L4

2/22/16

3

4

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2