CSCI 334:
Principles of Programming Languages

Instructor: Dan Barowy

Williams

Next class: meet at WCMA

How do you know when you are done
writing a program?

Goals

1. Speak the "language of languages"
   a. evaluate fitness of language for purpose
   b. rapidly learn new language
2. Add tools to your mental toolbox
   a. including techniques for clear thinking
   b. become a (much) better programmer
3. Be the kind of class you look forward to
   attending

Mental technique #1: calendar

Feedback

1. Optional feedback on assignments
2. Optional, anonymous feedback form on course website
3. Periodic, in-class anonymous feedback

Swell demo

Syllabus

Assignments

1. Weekly reading responses, due Monday by 10pm (~1 hour)
2. Weekly problem sets, due Thursday by 10pm (anywhere from 2-10 hours)

Books on reserve in Schow

Grades

I despise grades.

They discourage risk-taking.

Anonymous grading

(suggested by UNiCS)

Homework late policy

Homework resubmit policy

Honor Code

Github

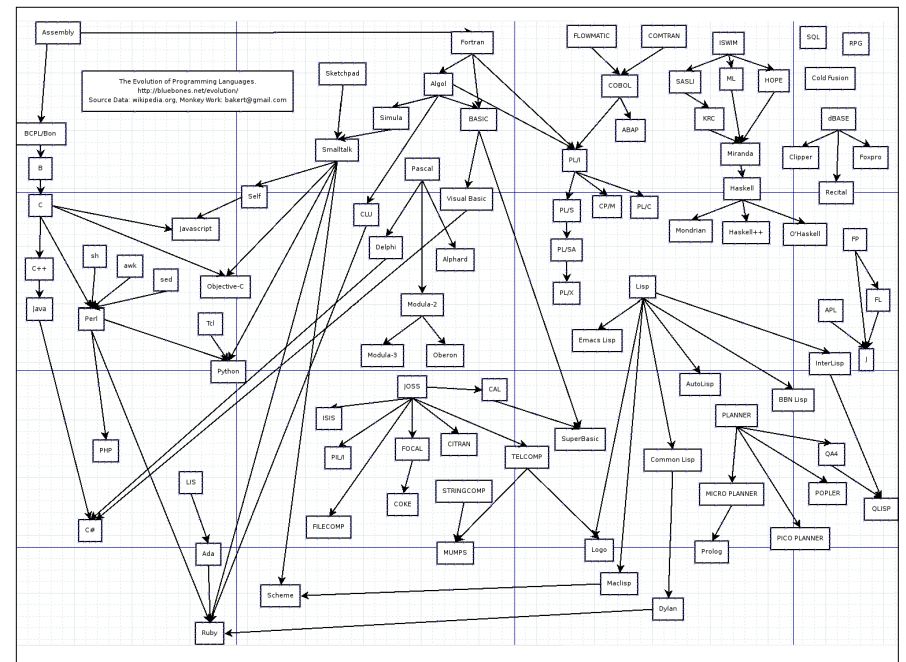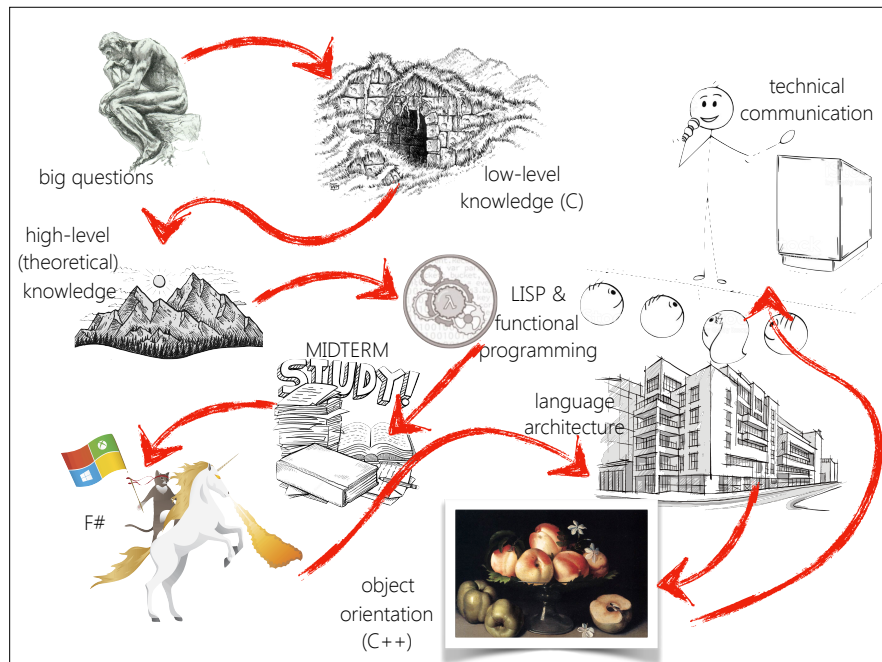Homework explanation session?

Course Organization

First half

- theoretical foundations
- common elements of languages
- functional vs. imperative languages
- new ways of thinking

Course Organization

Second half

- implementation techniques
- object oriented programming

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What do you know (or think you know) about it?