"All your troubles are due to those ‘ifs’,” declared the Wizard. If you were not a Flutterbudget you wouldn’t worry.”

- The Emerald City of Oz by Frank Baum

**Announcements**

- Test 1 is Tuesday!
  - You must take the exam in your lecture section
  - Accommodations for test 1? Must fill out form on website
- See Regrades form on website
- See all new Forms on website – main page
- Assignment 4 due today
- No labs next week
- Lunch with Prof. Rodger
- Finish notes/code from last time

**More Announcements**

- Two Review sessions
  - Sunday at 4:30pm-6pm
  - Monday at 6:15pm-7:30pm
  - Rooms to be posted on Piazza
Exam logistics

- Exam is in the regular classroom
- Only need a pen or pencil
- No scratch paper
- Will give you a reference sheet of Python information with the test (see resources page)
- Closed book, closed notes, closed neighbor
- Covers lecture, lab and assigned reading
- Have put old quizzes back up as quiz review
  - This is NOT for a grade, for studying only

The best way to study

- Write code on paper!
- Resources page has old tests and solutions
  - Try writing code, then look at solutions
- Rewrite an APT
- Rewrite code we did in lecture
- Rewrite code we did in lab

What we have not done

- If looking at old exams, note we have not done the following:
  - List comprehensions
  - Code in square brackets such as
    \[ y = [w \text{ for } w \text{ in } \text{alist}] \]
  There may be other things…. If it looks strange, it might be we haven’t done it…. 

Understand

- What is the difference between:
  - [ ] and ( )
  - \( w = \) and \( w += \)
  - print value and assigning value to a variable
  - print and return
  - When do you print? When do you return?
  - Does a function print or return?
- if, for, range, strings, lists
  - Understand format and how they work
- Parameters vs arguments