

# CompSci 101

## Introduction to Computer Science



September 25, 2014

Prof. Rodger

“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

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## XKCD

**3x9**

|< < PREV RANDOM NEXT > >|

$$\begin{aligned} 4) \quad 3 \times 9 &= ? \\ &= 3 \times \sqrt{81} = 3\sqrt{81} = 3\sqrt{\frac{27}{6}} = 27 \\ &\quad \frac{6}{21} \\ &\quad \frac{21}{0} \end{aligned}$$

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## 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

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## More Announcements

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

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## 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 for w in 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