

CompSci 101

Introduction to Computer Science



February 10, 2015

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

XKCD

3x9

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RANDOM

NEXT >

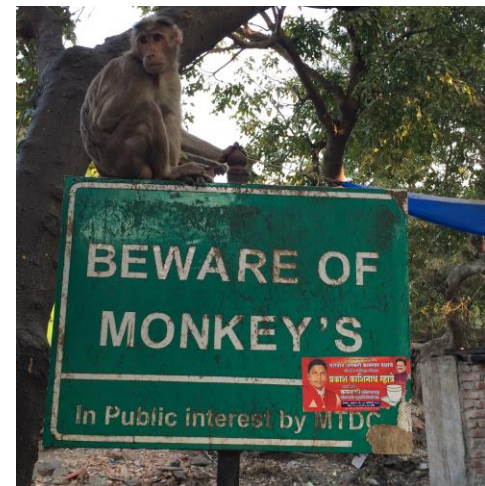
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$$4) 3 \times 9 = ?$$

$$= 3 \times \sqrt{81} = 3\sqrt{81} = 3\sqrt{\frac{27}{6}} = 27$$
$$\begin{array}{r} 6 \\ \hline 21 \\ 21 \\ \hline 0 \end{array}$$

Prof Rodger is back from India

- Visited 3 cities, 4 universities and attended two workshops and a conference
- Gave five talks and talked with faculty and students about computer science education



Announcements

- Test 1 is Thursday!
 - 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 this week
- Finish notes/code from last time

More Announcements

- One Review session
 - Wednesday 7:30pm-8:30pm
 - Likely in LSRC B101

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, assgnmts, apts
- 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

- Tests from Fall 2014 we have covered everything.
- 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