



CSCI 1300

Intro to Computing

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Lecture 9

Feb 4, 2013

Test 1 Review (Part 1)

Civic Engagement

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Upcoming Test

Test #1

Friday, Feb 8

Test 1

Test 1 covers everything we've done so far in class: command line interaction, code editors, writing **and debugging** Python programs.

There is a 'cheat sheet' on GitHub in the tests/ folder.

It will be open-note but electronic devices are not allowed.

Lecture Goals

1. Announcements
2. HW 2 Retry
3. Item 3
4. Item 4

Announcements

1. **Editor Fu:** Wednesday 7:30pm ECCR 105 tutorial session on emacs and possibly vim. Be there, or not.
2. **RetroGrade:** Lots of confusion about RG errors. 0/0 means syntax error. *Check the verbose output,* and **always** run the program driver on your end first and debug as appropriate.

Announcements

3. **Office Hours:** I am moving my *Tuesday* office hours to 9—12 to accommodate students who have class during my current slot. My *Thursday* office hours remain the same.

HW 2 Retry

Given the issues about 0/0 scores, I'm resetting the due date for HW 2 to Tuesday 6pm.

Remember: **0/0 means there is a syntax error.**
Always check your code before you submit using the provided driver.

This is the last time I will give an extension for this reason. I am using my Daddy Voice™. I mean it.

Software Dev Concepts

What's an editor for?

What's the command line for?

How do we convert text files into running programs?

Debugging

Syntax errors

Semantic errors

How do we find where the problem code is?

How do we know our program works?

What's the error?

```
$ python wonderful_hack.py  
File "wonderful_hack.py", line 4  
    print Hello World!  
      ^
```

SyntaxError: invalid syntax

What's the error?

```
your_name = raw_input("What's your name? ")  
your_age = your_name + 10  
print (your_age)
```

Write some code...

We have a list of numbers and we need to calculate the mean, median, min and max values.

Write some code to do this.