Announcements

- Intro to Linux at 12:30 tomorrow in 121 Ritter
- Another session 5pm in 1 week
- HW2 due next Saturday
- To submit, open a web browser in nx
Recap:

- CS1 graphics
- Basic data types:
  - float, int, string, list, tuple
  - methods
Definitions

Object: instance of a class
- way to pair data & methods in a meaningful way

Mutable: changeable (objects)
- lists

Immutable: non-changeable
- Int, Strings, Tuples
  \[ x = x + y \]
Print (from a script)

waitlist = ['Eric', 'Sam', 'Vanessa']

print waitlist.pop() + ' your table is ready',
or
print waitlist.pop() + ' your table is ready'
Printing non-strings

print 'There are', waitlist.index('Vanessa'), 'people ahead of Vanessa.'

print 'Current list:

+ 

'.join(waitlist)

+ 'Eric In Sam In Vanessa In'
Input:
To prompt for user input from a file, use `raw_input`

Ex:
```python
print "Hello, what is your name?"
name = raw_input()
print 'Hi', name + '!'
```
Can also avoid separate print statement.
Input with non strings

age = int(raw_input('What is your age?'))
print 'Soon you will be', (age+1)

Errors: (2 issues)
> raw_input returns a string '21'
Use # to block out line

Every few lines indicate what your program should do.
Case Study

Write a program to change a date from format: 03-27-1980 to format:

March 27, 1980

Steps:
1. User input
2. Convert to other format
3. Print
Practice Problems (of time)

Take a s