

# CS 160

## CS Orientation

File I/O, Searching/Sorting, and Why  
should everyone learn programming?

# Odds and Ends

- Assignment #9 demo
- Assignment #10 posted

# File I/O

- How many of you used File I/O in Assignment 9?
  - `f.read()`
  - `f.readline()`
  - `f.readlines()`
- What is important?

# Searching and Sorting

- Binary Search
  - [http://csunplugged.org/videos/#Unplugged\\_8211\\_The\\_Show](http://csunplugged.org/videos/#Unplugged_8211_The_Show)
- Sorting algorithms: (lots)
  - <https://www.youtube.com/watch?v=kPRA0W1kECg>
  - <http://www.bbc.co.uk/programmes/p030s6b3/clips>

# Why everyone should learn to code

- <https://www.youtube.com/watch?v=mPiGHylXKtw>

# Group Exercise

- Why should everyone learn to program?
- Why shouldn't everyone learn to program?
- What are you thinking for your thesis?
  - Come up with a problem statement
- Do you consider yourself a better designer or coder?

# Group Discussion....