

CS21: INTRODUCTION TO COMPUTER SCIENCE

Prof. Mathieson

Fall 2017

Swarthmore College

Outline Oct 11:

Right now: continue swap and shuffle from last time

- Go over swap and shuffle
- Return and go over Quiz 2
- Stack diagrams
- List accumulators and mutation in graphics

Notes

- **Lab 4 returned Friday**
- **Lab 5 due Saturday** night
- **Office Hours 3-5pm Friday (or by appointment)**

Stack Diagrams

See slides posted on the website

- Caveat 1: in these slides the language was python2, so there are some differences
- Caveat 2: values should all be drawn on the heap (outside the function stack)

•A Better/Longer Stack Diagram Example

<https://www.cs.swarthmore.edu/courses/CS21Labs/f17/docs/cs21-stack-frame-tutorial.pdf>

List programs for today

- [inclass/week06/shuffle_list.py](#)
- [inclass/week06/max_circle.py](#)
- [practice/snow_challenge.py](#) (extra list accumulator and list mutation practice)