

DS2000

3/21 - Tues.

### Admin

- Quiz 8 4:30 today → 9:50AM Fri  
(2st quiz!)
- Hws due Fri 9pm (warning late penalty)
- Hw7 goes out Fri

### Agenda

1. classes + objects
2. Designing classes
3. Python

## 1. Classes and Objects

- object-oriented programming
- meant to reflect real life
- Python is an object-oriented language
  - ↳ C++, Java also
- Used when
  - working on big code (helps w/ organization)
  - working with others

class - collection of attributes and methods  
that belong together

attribute - variable attached to a class

method - function attached to a class

object - instantiation of a class