

Extra Office Hours

- Today 1:30-2:30
- No office hours next Monday or Wednesday

Midterm Next Wed

- Up to but not including today's material
- Anything from A1, A2, lectures, labs fair game
- More emphasis on loops and lists than dictionaries
- No media questions

Midterm next week

- Same basic layout and style as first test
- I will post front page and API when I have them ready
- 45 minutes (9:10-9:55)

Classes

Using objects

- You have used many kinds of objects that are built in to Python: int, str, list, dict, etc.

```
total = 0          # Create a new int object.
```

```
name = "Priya"     # Create a new str object.
```

- And others that are part of modules you had to import, such as media.

```
import media
```

```
p = media.get_pixel(pic, 3, 92) # Returns a Pixel object.
```

Defining new types of objects

- Consider a calendar program. One of the basic things you'd need to keep track of is events.
- What should we keep track of for a single event?
- We could define individual variables for each of these, but we'd need to do that for every event. Messy.
- Or we could define a new type of object to bundle these together.
- We have int, str, dict, list, etc.
Now we can have Event!