

# Lab 4

*25 Sep 2019*

The following tasks all relate to the creation and use of classes. The first one is sort of a warmup exercise; the other four all sort of connect to each other.

- The class `FullName` accepts a first name and last name in the constructor, and stores them in instance variables `first` and `last`.
- The class `MentionCounter` will be able to track the number of times certain businesses are mentioned in the media. To that end, it accepts a list of companies in the constructor (which are the ones it will be tracking) and has a method `mention` that takes a given business name, and if it's in this `MentionCounter`'s list of trackable names, records one more mention of that business. (If the given business isn't in the list, it gets ignored.) (Hint: the constructor won't simply store the list it's given. What else does it need to init?)
- The class `TestMentionCounter` should have a method that sets up a fixture with at least two samples of `MentionCounter` objects that would be useful in testing; and also includes test methods for testing the next two items.
- `MentionCounter` has a method `is_tracked` that determines whether a given business is being tracked by this `MentionCounter`
- `MentionCounter` has a method `get` that provides the recorded count of a given business, or zero if that business name is not tracked

Handin as lab4. Due date: get the first one and a draft of the second one done by class time Friday. Final handin is Monday at 4pm.