Objectives

- Lab 10 Feedback
- Lab 11

Lab 10 Feedback

- Impressive!
  - Hope you're proud of yourselves
- Lots of nickel and dime deductions
  - Use your Song class's writeSong method
  - Comment on the Song constructor
    - What are the data types of each parameter
  - Writing PlayTime object to file prints too much
    - Just want minutes and seconds
  - Parsing the "min:sec" --> better to use colon to split
  - __cmp__ method: returns 0 when they're equal
  - Giving feedback to the user that something happened

Lab 10 Feedback

- Neat way to check for invalid options:
  - Create a list of valid options
  - Check if user's selection is not in the list, e.g.,

        while selection not in validOptions:

- Don't print inside of sort method
  - Causes unwanted side effects
  - Print inside of driver program, after sort
- MusicCollection: print vs __str__
  - I wrote separate printing method
    - Creating the string in __str__ is a pain
  - Either way is fine

Lab 11: Three Parts

- Linux practice:
  - Using the `wc` command
- MyTunes extensions
- Two-dimensional lists

`wc` Command

- `wc`: Word Count
  - Count up lines of MyTunes code from last assignment
  - Compare with MyTunes for this assignment
- Specific directions are in the lab

MyTunes, Extended

- Allows you to search for songs by title
- Update MusicCollection class and UI appropriately

- See me if you want correct implementation for any part of the previous lab

Summary of Extensions to Solution

- Check the *title* of the Song at the midpoint
- Get the songs before and after that song in list that have the same title and put in a list
- Represent, handle when no song matches
- For "most intuitive" results:
  - ➤ Strip, lowercase the key
    - Which means what for your algorithm?
- Note: we're not doing "contains", only exact match (ignoring case)

2D List Practice

- Creating, printing, processing 2D list

Announcements

- Reminder to give me your final exam envelopes

- If you decide to change when you take the exam
  - ➤ Email me *at least* 12 hours in advance of the time you were to take the exam or when you want to take the exam, whichever is earlier

Reminders

- Final exam content:
  - ➤ Include try/except statements, security considerations in content
- Tomorrow: back in lab for Connect Four