DAT-119 – Python 1

Spring 2019

**In-Class Assignment Week 11**

We have a visitor today: David Young, our Associate Dean of Academic Affairs. He is here to observe class.

**Agenda:**

1. Make sure your project idea is listed on the [signup sheet](https://docs.google.com/spreadsheets/d/1b-TIf_Ao2EBJMQ4nDI9D8FQYnkl_ukuhXlTBOMVyXY0/edit?usp=sharing); this will make it easier to find someone whose project might be similar, to talk over project plans with.
2. Make sure your project plan is posted in Blackboard. You can also post updates after you’ve had a chance to refine it with a colleague.
3. Dictionaries and Sets (Jupyter notebook)
   1. Why we aren’t talking about pickle
4. Break - 20 minutes, so you can also **please take the survey** (below)
5. Project plan discussion with a peer (30 min)
6. In-class assignment (practice with dictionaries, below)
7. Preview of next week:
   1. We can walk through some code (this week’s solution?)
   2. I’ll give you some “next steps” for your Python journey, whether you’re going on to Python 2 or not
   3. Reminder: you’re bringing some code to test with a colleague
   4. You’ll also have time to work on (and get help with) your project

**Survey – for students taking CIT, DAT, and MMC classes**

Thank you for your participation in the following survey. Please note this survey is completely optional and you may leave the survey at any point. This survey examines the types of classes that students are currently enrolled in at Community College of Allegheny County. Should you feel duress or uncomfortable at any point during the survey, please contact CCAC Counseling Services at one of the following phone numbers:

* Allegheny Campus: 412-237-2565
* Boyce Campus: 724-325-6657
* North Campus: 412-369-3614
* South Campus: 412-469-6216

For any questions or concerns regarding the survey, the primary investigator, Professor Rebecca Elinich can be reached by email at RElinich@ccac.edu. Thank you for your time and your participation:

<https://www.surveymonkey.com/r/T2RVQVG>

**In-class assignment:**

Write a program that creates a dictionary containing the US states as keys and their capitals as values.

The program should randomly quiz the user by displaying the name of a state and asking the user to enter that state’s capital. It should keep a count of the number of correct and incorrect responses and let the user know how they are doing. It should not penalize the user for capitalization errors.

<https://simple.wikipedia.org/wiki/List_of_U.S._state_capitals>

**To turn in:**

Your code for whatever you get finished tonight.

If you don’t finish, turn in the completed program (following the course style guide) with this week’s homework.