### [**Assignment 6 - save and load**](https://caldwell.blackboard.com/webapps/assignment/uploadAssignment?content_id=_867663_1&course_id=_22236_1&group_id=&mode=view)

Create a Jupyter notebook called `CS196-a6.ipynb`

\*\*DO NOT INCLUDE YOUR NAME ANYWHERE IN THIS FILE OR IN FILENAME\*\*

In this notebook you should have the following:

1. write, append, and read to/from text file

- open a fille called `mytext.txt` in write mode, and write a few lines of text to it (and close it)

- re-open the same file in append mode, write some more lines of text it

- for every line in `mytext.txt`, print that line

2. pickle some data, then load it

- create some custom class (feel free to use `dataclass` if you want)

- create an object of that class called `data`

- use `pickle` library to save `data` into a file called `mydata.pkl`

- load data from `mydata.pkl` into a new variable, `data2`

3. use json to save and load a dictionary

- create a dictionary called `data` with at least 3 items

- use `json` library to save this dictionary to a file called `mydata.json`

- load data from `mydata.json` into a new variable, `data2`

4. create a list of lists, save as csv

- create a list `data`

- append a few lists of strings to `data`

- use `csv` library to save `data` to a file called `mydata.csv`

- load data from `mydata.csv` into a new variable, `data2`

Add docstrings and comments (and/or markdown) where appropriate.

Code will be evaluated for:

1. code is written and works as intended (e.g., correct calls, correct output, no errors)

2. clean/efficient code (e.g., no unnecessary code)

3. naming conventions (e.g., class names are UpperCamelCase)

4. readability (e.g., meaningful names, separation of code into separate cells)

5. documentation (e.g., docstrings, comments, argument type specification)

\* click "View Rubric" on blackboard under this assignment for more details