Create a Jupyter notebook called CS196-a2.ipynb

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

In this notebook you should have the following:

* Create some class that includes the following
  + \_\_init\_\_ method
  + \_\_str\_\_ method
  + \_\_repr\_\_ method
  + at least 8 more dunder methods that map onto common functions (e.g., len, bool, reverse) and operators (e.g., del, in, +, -, +=, |, &)
  + at least 2 dunder methods for attribute and/or item access or deletion
* Create a few objects of this class
* Show off all implemented functionality

**DO NOT HAVE THE SAME CLASS DEFINITIONS AS YOUR CLASSMATES**:

* Even if you are working together with your peers, make sure you implement different sets of dunder methods and they do different things.

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

Code will be evaluated for:

* code is written and works as intended (e.g., correct calls, correct output, no errors)
* clean/efficient code (e.g., no unnecessary code)
* naming conventions (e.g., class names are UpperCamelCase)
* readability (e.g., meaningful names, separation of code into separate cells)
* documentation (e.g., docstrings, comments, argument type specification)
* click "View Rubric" on blackboard under this assignment for more details

Execute all cells in this notebook, save, and upload the notebook on blackboard.