Middle Tennessee State University

Department of Computer Science

CSCI-3080 Discrete Structure

OLA1: Set Operations & Combinatorics in Python

Instructor: Dr. Xin Yang

Due date: Feb 4th, 2022 (23:59 PM) Friday

January 25, 2022

1. Download and Install Anaconda

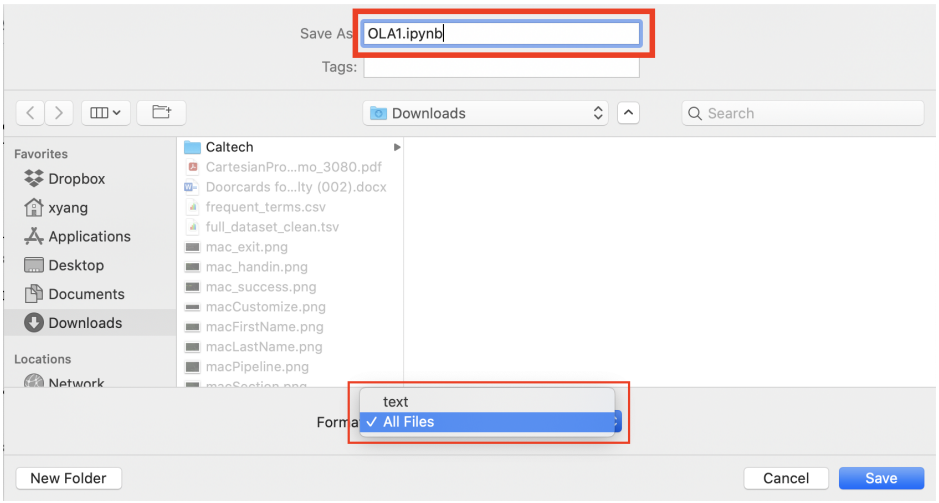
Windows users: `https://docs.anaconda.com/anaconda/install/windows/`
Mac users: `https://docs.anaconda.com/anaconda/install/mac-os/`
Linux users: `https://docs.anaconda.com/anaconda/install/linux/`

Figure 1: Anaconda: Data Science Platform

2. Download the Starter Jupyter Notebook

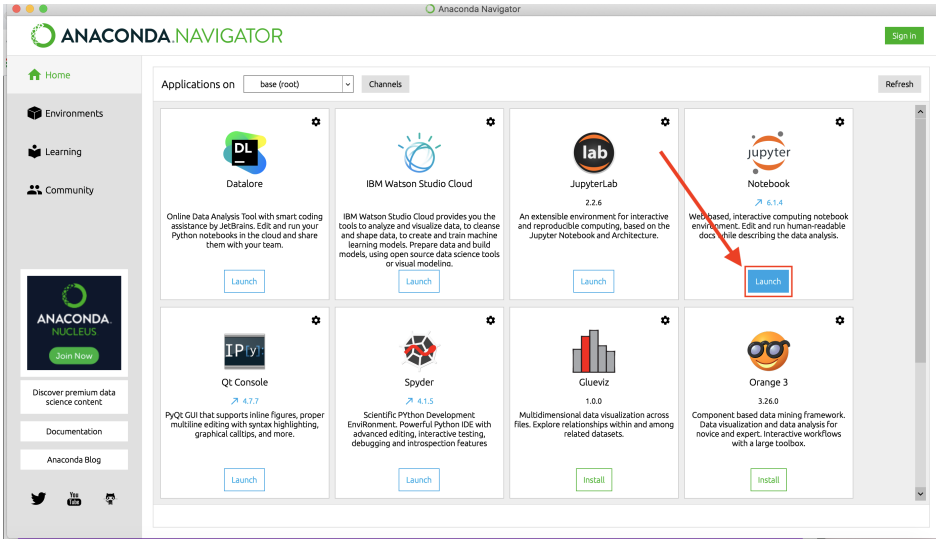
Please download the starter Jupyter Notebook (OLA1.ipynb) from my course calendar:
`https://www.cs.mtsu.edu/~xyang/3080/OLA/OLA1.ipynb`

- **Right click** the page.
- Click: "**Save As**"
- Select Format: **All Files**
- **Remove** the extension **.txt**.



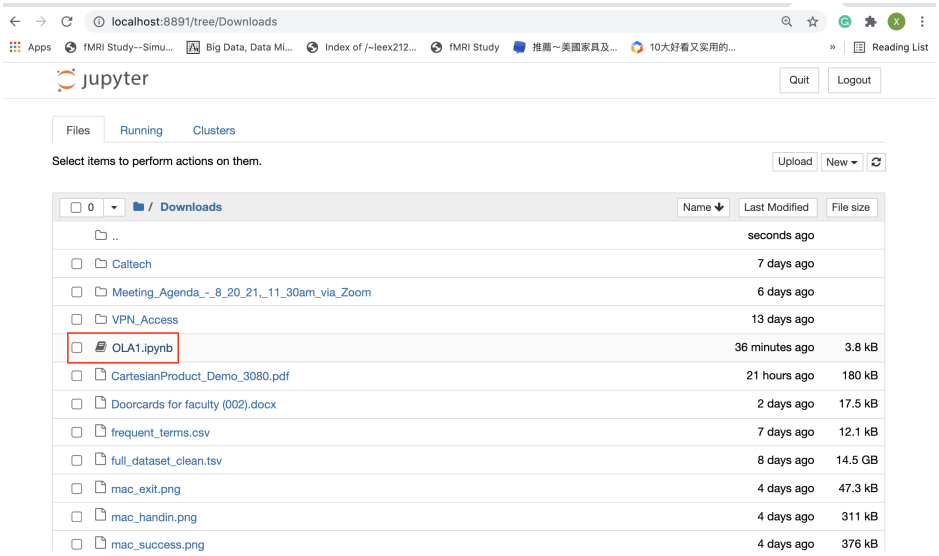
3. Launch Jupyter Notebook

(1) Open Anaconda.
(2) Launch Jupyter Notebook through Anaconda.



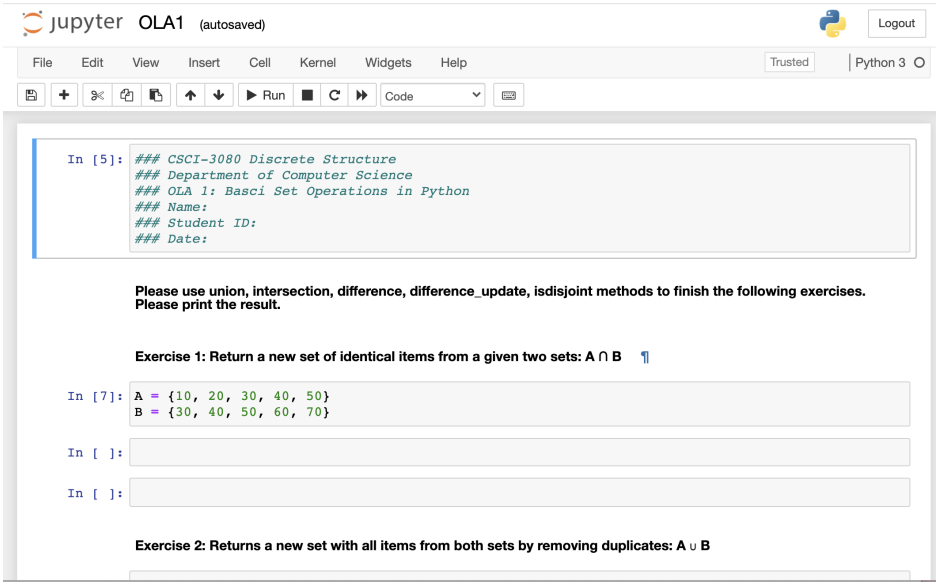
4. Open Jupyter Notebook OLA1

(1) Locate OLA1.ipynb in your Download Folder.



(2) You should see the following page after you click

OLA1.ipynb :

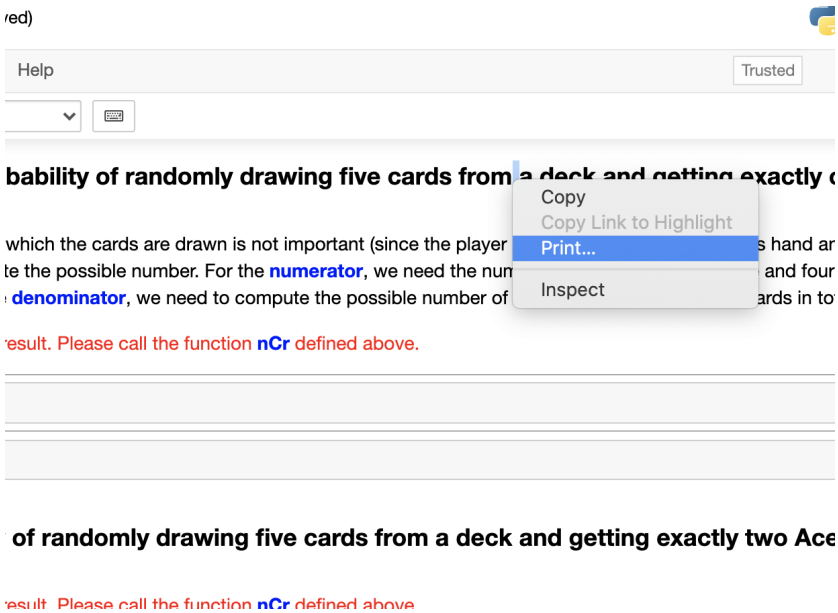


(3) Please fill in your Name, ID, and Date.
(4) Please finish all exercises in Jupyter Notebook. Part 1: 5 exercises. Part 2: 4 exercises.

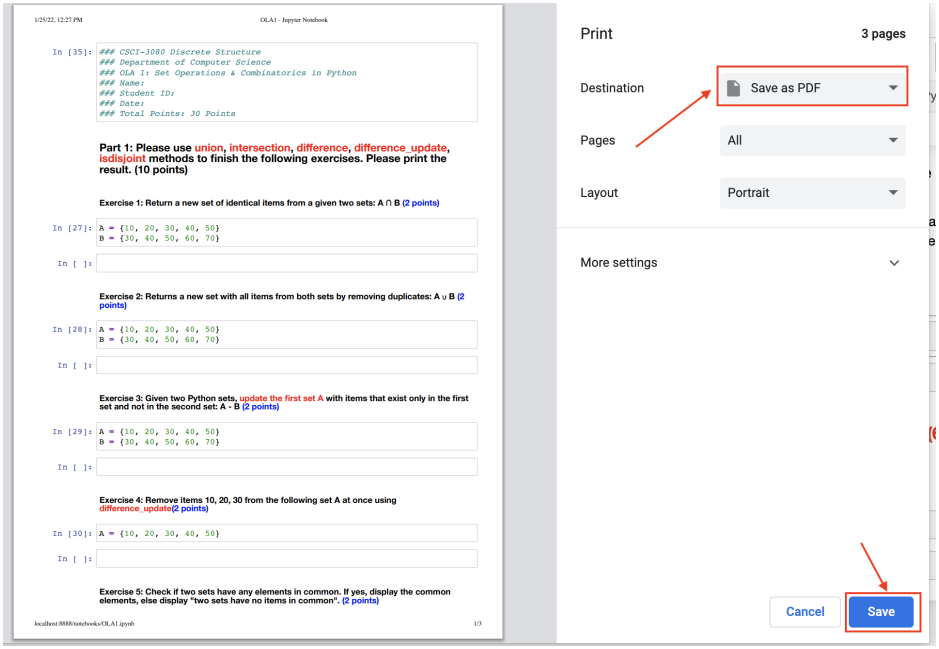
4. Save OLA1 as a PDF

Please save your OLA1 as a PDF after you finish all the exercises.

(1) Please right click your mouse, and click **Print**.



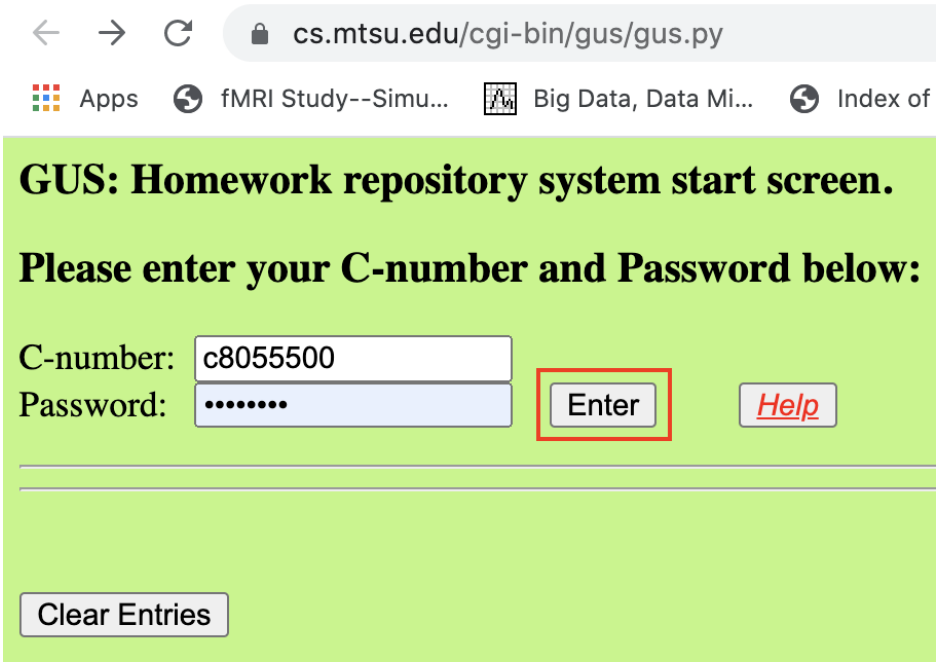
(2) Then select **Save as PDF**, and click **SAVE**.



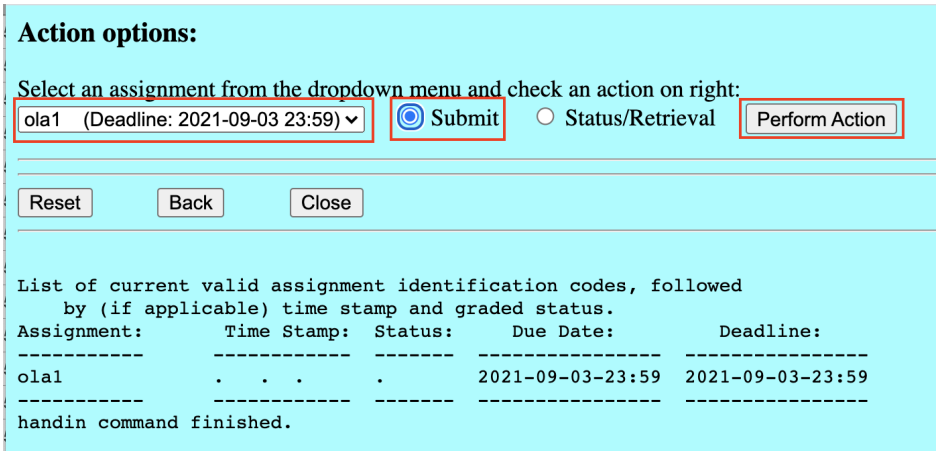
(3)Please make sure your PDF file name is **OLA1**: **OLA1.pdf**.

5. Submission

1. log in the gus sytem using your **cNumber** and **Password**:
`https://www.cs.mtsu.edu/cgi-bin/gus/gus.py`



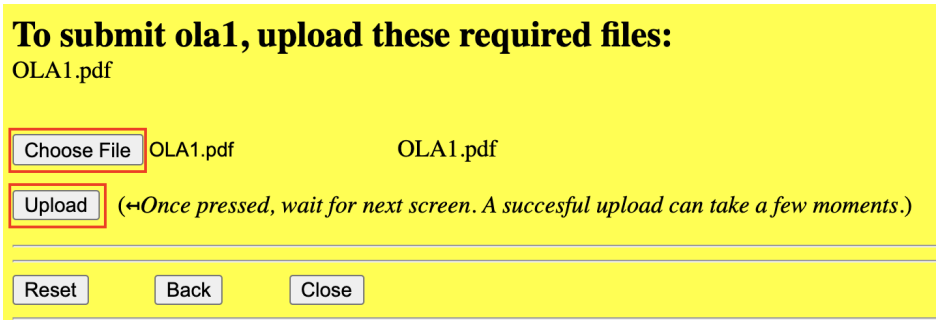
2.
(a) Select **ola1** from the drop-down menu.
(b) Click **Submit**
(c) Click **Perform Action**



3.

(a) click **Choose File** to attach your OLA1.pdf

(b) click **Upload**.



4. Congratulations! You are done with OLA1!