Middle Tennessee State University

Department of Computer Science

CSCI-3080 Discrete Structure

# OLA5: Recursion, Recurrence Relations

Instructor: Dr. Xin Yang

**Due date: Oct 1st, 2021 (23:59 PM)**

September 23, 2021

## 1. Download and Install Anaconda

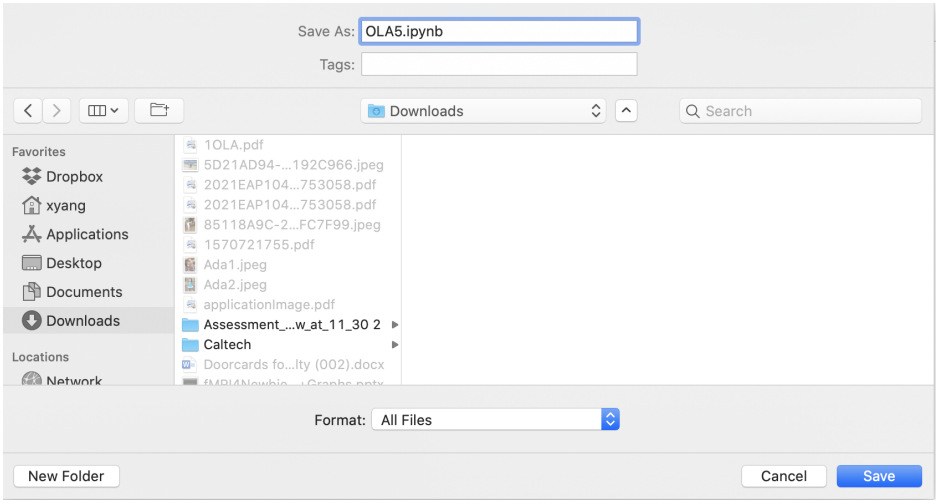
**Windows users:** `https://docs.anaconda.com/anaconda/install/windows/`
**Mac users:** `https://docs.anaconda.com/anaconda/install/mac-os/`
**Linux users:** `https://docs.anaconda.com/anaconda/install/linux/`


Figure 1: Anaconda: Data Science Platform

## 2. Download the Starter Jupyter Notebook

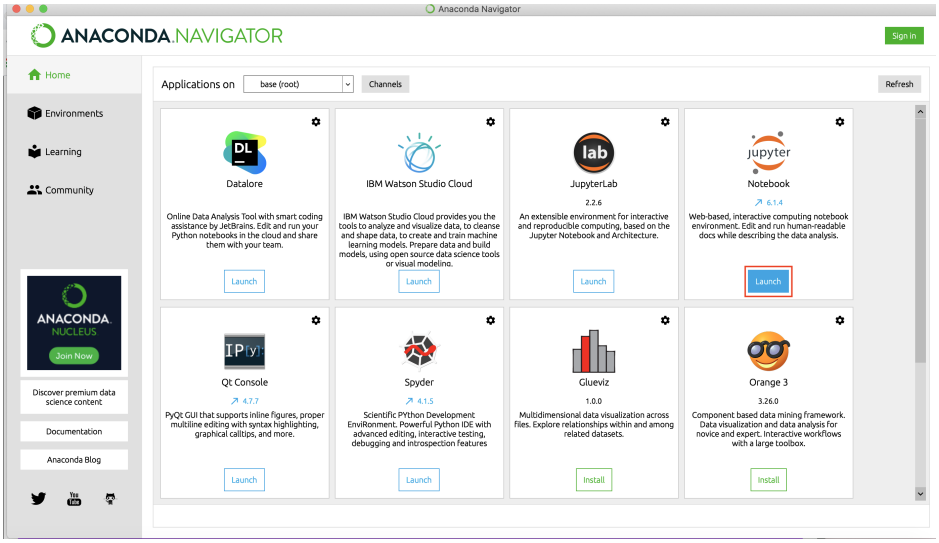
Please download the starter Jupyter Notebook (OLA5.ipynb) from my course calendar:
`https://www.cs.mtsu.edu/~xyang/3080/OLA/OLA5.ipynb`

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



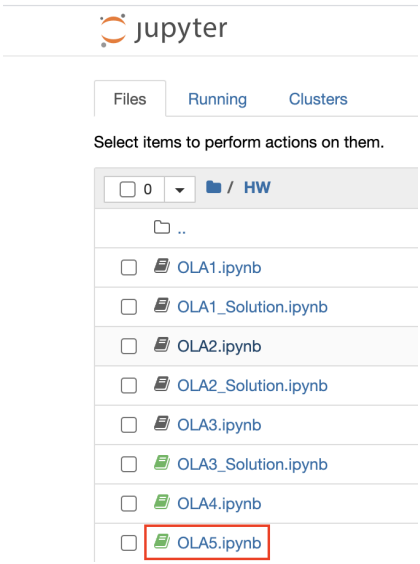

## 3. Launch Jupyter Notebook

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

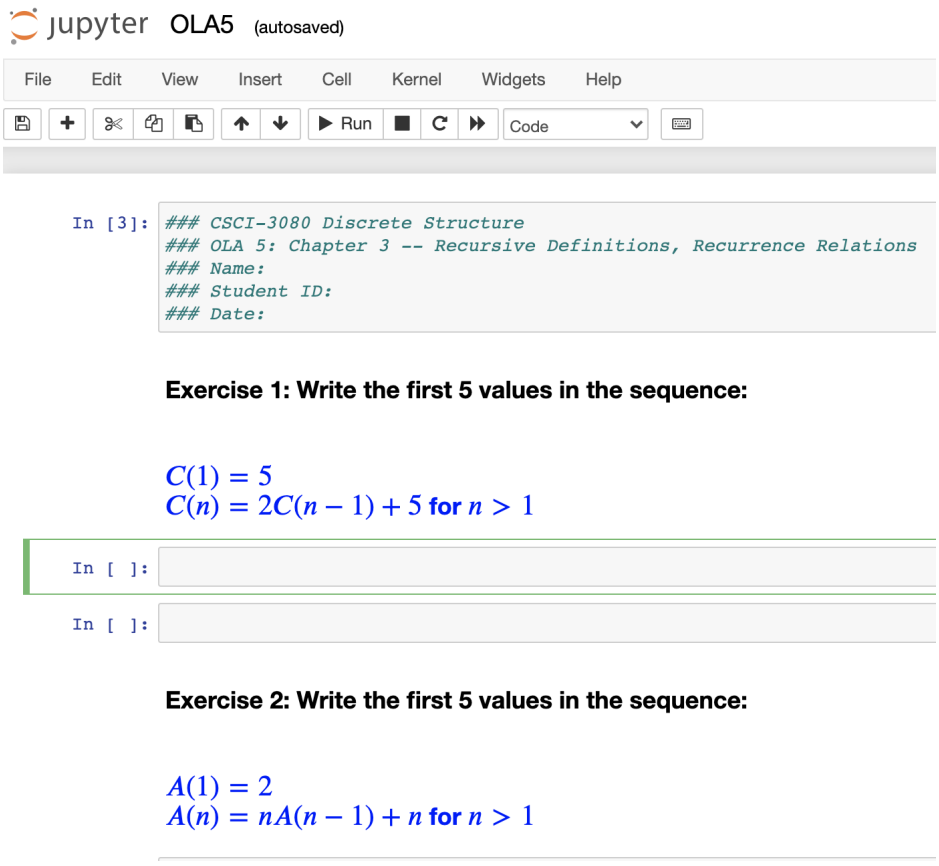



# 4. Open Jupyter Notebook OLA5

(1) Locate OLA5.ipynb in your Download Folder.



(2) You should see the following page after you click OLA5.ipynb :

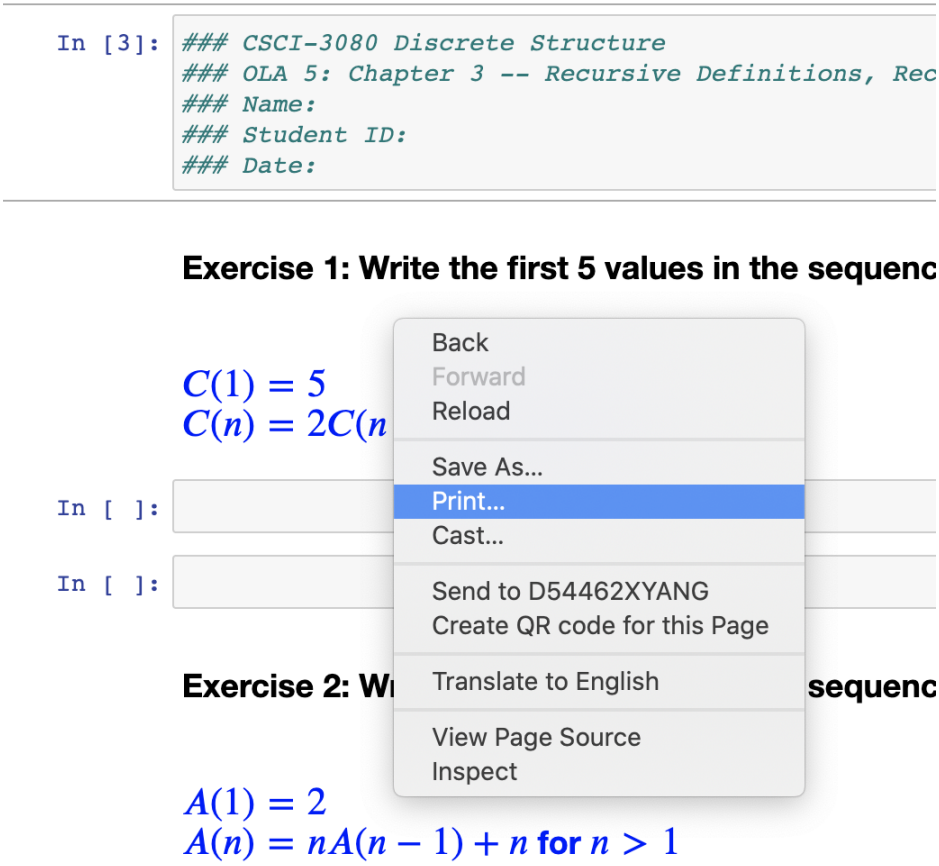


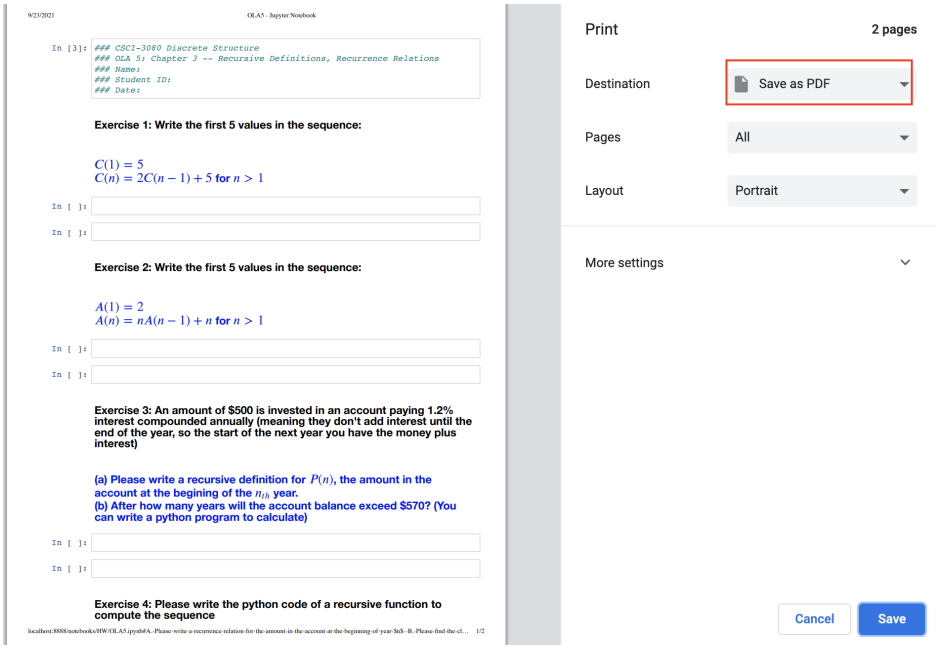

(3) Please fill in your Name, ID, and Date.
(4) Please finish all 6 exercises in Jupyter Notebook.

## 4. Save OLA5 as a PDF

(1) Please save your OLA5 as a PDF after you finish all the exercises. Please **right click** the Jupyter Notebook,

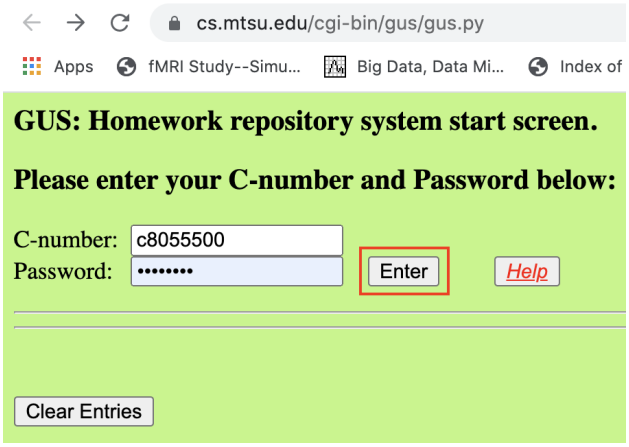
then click **Print**, and **save as PDF**.






# 5. Submission

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

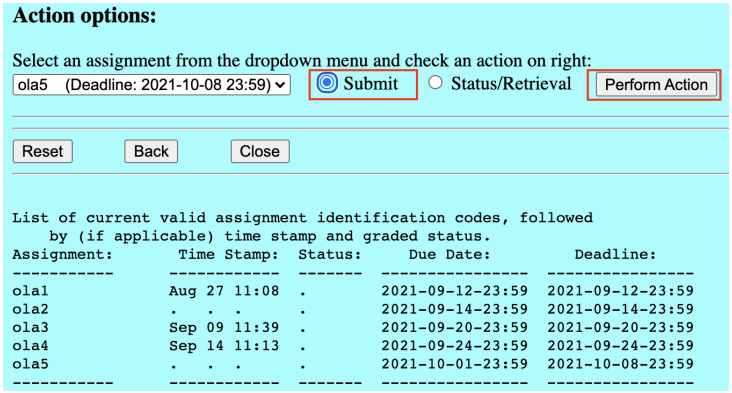



2.

(a) Select **ola5** from the drop-down menu.

(b) Click **Submit**

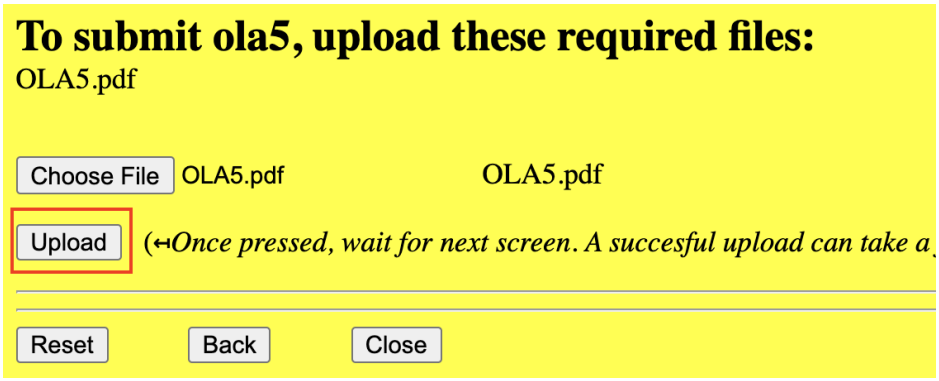
(c) Click **Perform Action**




3.

(a) click **Choose File** to attach your OLA5.pdf

(b) click **Upload**.




4. Congratulations! You are done with OLA5!