

# Introduction to Databases

## Course Material

PowerPoint slides for this short course are available on the Texas A&M HPRC website:

[https://hprc.tamu.edu/training/intro\\_databases.html](https://hprc.tamu.edu/training/intro_databases.html)

## About Jupyter

**Jupyter** is a web application that allows you to easily connect to a remote server and run applications. We will be using **Jupyter** to connect to **titan.tamu.edu** and use Python.

## Requirements

To access the **Jupyter Notebook** you will need:

- An Internet-connected device (desktop, laptop, or large tablet is preferred)
  - **Note:** If you are using a phone without Wi-Fi access, data rates may apply.
- Internet access (tamulink-wpa Wi-Fi, OAL Ethernet)
- An internet browser

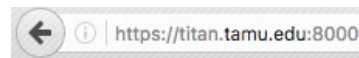
For this example, we will use Windows 10, tamulink-wpa, and Firefox. These choices will not make a significant difference in using **Jupyter** once you are connected.

## Setup

(1) Open your Internet browser.

(2) Go to one of the following links:

Link 1: <https://titan.tamu.edu:8000/>



(3) You should then see a login window. Use your **TAMU NetID** credentials to log in. A **TAMU NetID** is the same username and password as Howdy and Ada. **Note:** A NetID is **not** the same as a UIN.

Sign In

Username:

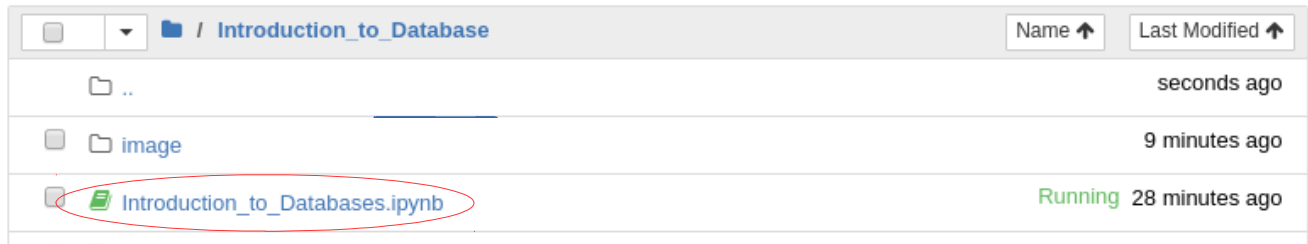
Password:

Sign In

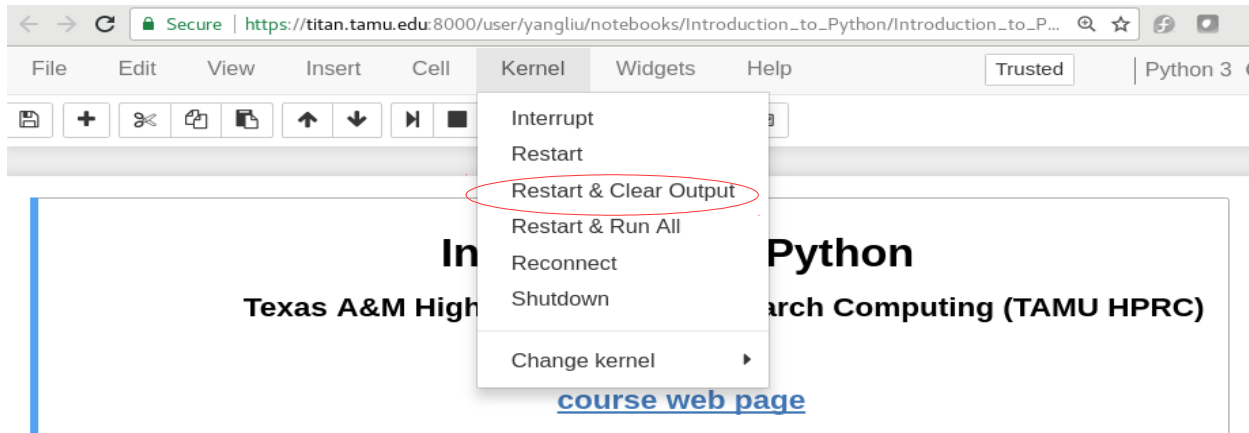
(4) Upon successful login you will see some files and directories. Please click on the “**Introduction\_to\_Databases**” directory.

	Name ↑	Last Modified ↑
<input type="checkbox"/>	Introduction_to_Database	7 minutes ago
<input type="checkbox"/>	Introduction_to_Python	13 days ago
<input checked="" type="checkbox"/>	Introduction_to_Scientific_Python	13 days ago
<input type="checkbox"/>	Old	8 days ago

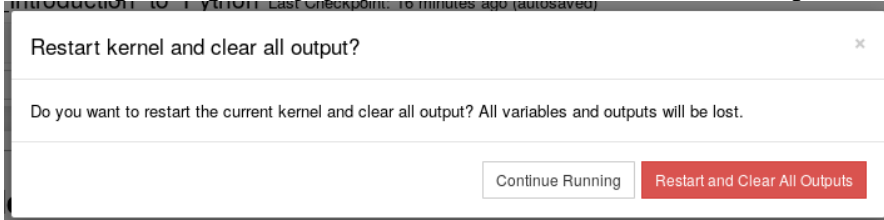
(5) Once inside this subdirectory, you should see more files. Click the file named “**Introduction\_to\_Databases.ipynb**” to start the notebook for this course.



- (6) Before class begins, please restart your kernel and clear all outputs.  
To do this, click on **“Kernel -> Restart & Clear Output”**



A warning message will pop up, click **“Restart and Clear All Outputs”**



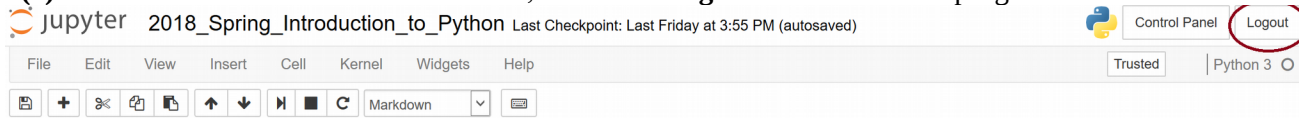
Finally, click the **save icon** on the top left-hand side to save the changes:



- (8) Once your changes have been saved, you are ready to begin the class.

## Notes

- (1) You may notice that there are three tabs in the Jupyter notebook. For this course, you will only need to use the **“Files”** and **“Running”** tabs. Please do not go into the **“Clusters”** tab for the purposes of this course.
- (2) To exit the notebook at the end of class, click the **“Logout”** button in the top right-hand corner.



## IMPORTANT

The Jupyter notebook used in this class will **NOT** be available after 6:00 PM today. If you would like to save any of the information found on this notebook, please do so before 6:00 PM today.  
This can be done by clicking on **“File -> Download As”** and choosing a file format.