

## A Friendly Introduction to Python for Absolute Beginners: Part 1 – Setup

Thank you for registering for this workshop.

**Before the workshop begins**, please follow the instructions below to prepare:

**Download the notebook and photos we will be using for the workshop and upload them to your UofT Jupyter Hub Account following these steps:**

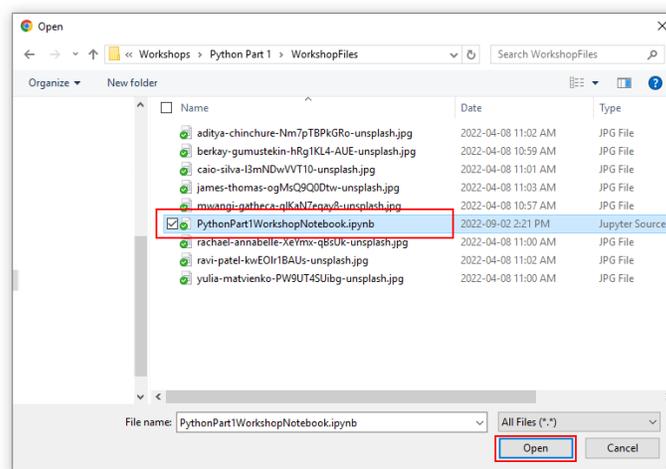
1. [Download a zip file](#) containing all the files you will need for the workshop.
2. Extract the files where you want to save them (it should create a WorkshopFiles folder). There should be 8 jpg files and one notebook file called “PythonPart1WorkshopNotebook.ipynb” in the folder.  
Note: Different computers have different setups. On a Mac, just double-click on the file to extract its files. On a PC, you might want to first install a great little program called [7-Zip](#) (if you don't already have it!). Then you should be able to right click on the zip file and select 7-Zip, then Extract Here to extract its files.

| <input type="checkbox"/> Name                                                                                                  | Date                |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  aditya-chinchure-Nm7pTBpkGRo-unsplash.jpg  | 2022-04-08 11:02 AM |
|  berkay-gumustekin-hRg1KL4-AUE-unsplash.jpg | 2022-04-08 10:59 AM |
|  caio-silva-l3mNDwVVT10-unsplash.jpg        | 2022-04-08 11:01 AM |
|  james-thomas-ogMsQ9Q0Dtw-unsplash.jpg      | 2022-04-08 11:03 AM |
|  mwangi-gatheca-qlKaN7eqay8-unsplash.jpg    | 2022-04-08 10:57 AM |
|  PythonPart1WorkshopNotebook.ipynb          | 2022-09-02 2:21 PM  |
|  rachael-annabelle-XeYmx-qBsUk-unsplash.jpg | 2022-04-08 11:00 AM |
|  ravi-patel-kwEOlr1BAUs-unsplash.jpg        | 2022-04-08 11:02 AM |
|  yulia-matvienko-PW9UT4SUibg-unsplash.jpg   | 2022-04-08 11:00 AM |

- Go to <https://jupyter.utoronto.ca/hub/login> and login using your UTORID credentials.



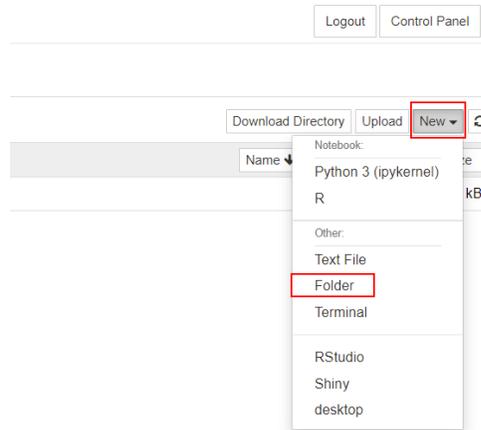
- Once logged in, click on *Upload* on the top right. Browse to your extracted workshop files, select the “PythonPart1WorkshopNotebook.ipynb” file, and click on *Open*.



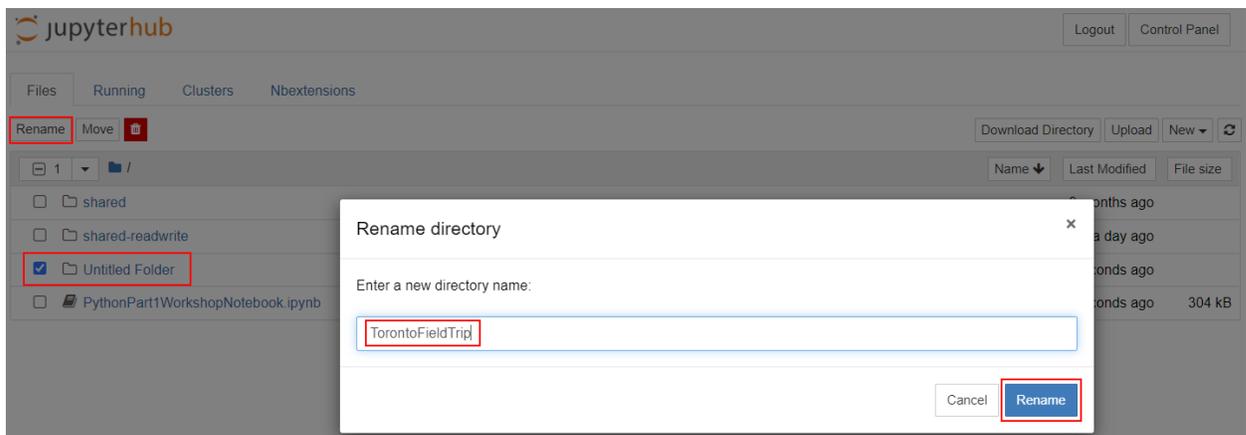
- Then click on the blue *Upload* button next to the file name to complete the upload.



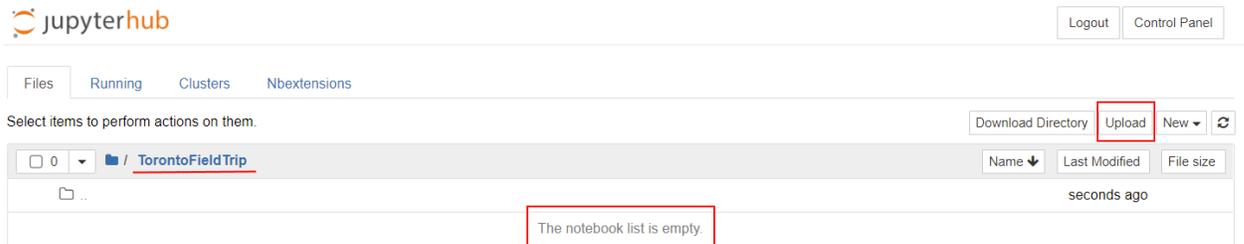
- Next, we need to create a new folder to hold all our photos and then upload them into the folder. Click on *New* on the top right (next to Upload) and select *Folder*. This should create a new Untitled Folder.



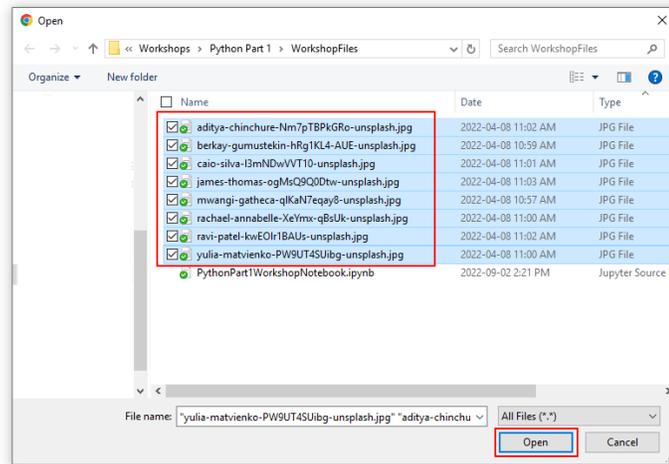
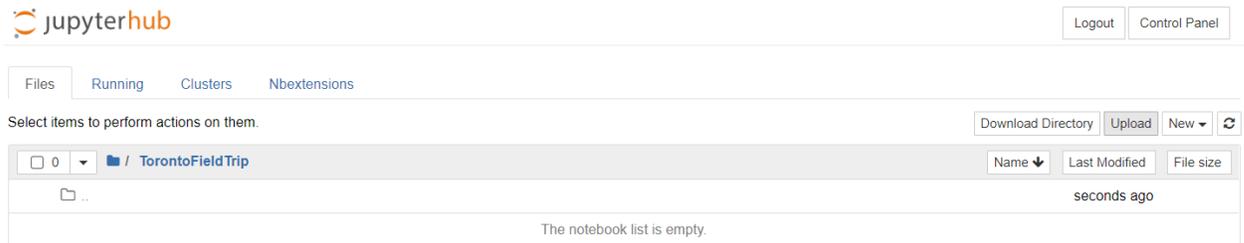
- Put a checkmark next to the Untitled Folder, and then click on *Rename* at the top left, just above your files and folders list. Type in "TorontoFieldTrip" (no spaces) and then click on the blue *Rename* button.



8. Click on the *TorontoFieldTrip* folder to open it. It should be empty to start. Click on *Upload* on the top right again.



9. Browse to your extracted workshop files, and select all the photos (i.e., the .jpg files). You can upload each file one at a time, or you can highlight multiple files to upload them all at once. Then click on *Open*.



10. You will need to click on each blue *Upload* button next to each file name to complete the upload. Do that for all eight photo files.

The screenshot shows the JupyterHub interface with the 'TorontoFieldTrip' directory selected. The file list contains eight photo files, each with an 'Upload' button and a 'Cancel' button. A red box highlights the 'Upload' buttons for the first eight files. The interface also shows a 'Logout' button and a 'Control Panel' button in the top right corner.

| Name                                       | Last Modified | File size |
|--------------------------------------------|---------------|-----------|
| yulia-matvienko-PW9UT4SUIbg-unsplash.jpg   |               |           |
| ravi-patel-kwEOlr1BAUs-unsplash.jpg        |               |           |
| rachael-annabelle-XeYmx-qBsUK-unsplash.jpg |               |           |
| mwangi-gatheca-qIKaN7eqay8-unsplash.jpg    |               |           |
| james-thomas-ogMsQ9Q0Dtw-unsplash.jpg      |               |           |
| caio-silva-l3mNDwVVT10-unsplash.jpg        |               |           |
| berkay-gumustekin-hRg1KL4-AUE-unsplash.jpg |               |           |
| ..                                         | seconds ago   |           |
| aditya-chinchure-Nm7pTBpkGRo-unsplash.jpg  |               |           |

11. Click on the *blue file folder icon* above your list of files to go back to your main directory.

The screenshot shows the JupyterHub interface with the main directory selected. The file list shows the parent directory '..' and the eight photo files. A red box highlights the blue folder icon above the file list. The interface also shows a 'Logout' button and a 'Control Panel' button in the top right corner.

| Name                                       | Last Modified | File size |
|--------------------------------------------|---------------|-----------|
| ..                                         | seconds ago   |           |
| aditya-chinchure-Nm7pTBpkGRo-unsplash.jpg  | seconds ago   | 138 kB    |
| berkay-gumustekin-hRg1KL4-AUE-unsplash.jpg | seconds ago   | 55.9 kB   |
| caio-silva-l3mNDwVVT10-unsplash.jpg        | seconds ago   | 145 kB    |
| james-thomas-ogMsQ9Q0Dtw-unsplash.jpg      | seconds ago   | 107 kB    |
| mwangi-gatheca-qIKaN7eqay8-unsplash.jpg    | seconds ago   | 117 kB    |
| rachael-annabelle-XeYmx-qBsUK-unsplash.jpg | seconds ago   | 78.8 kB   |
| ravi-patel-kwEOlr1BAUs-unsplash.jpg        | seconds ago   | 133 kB    |
| yulia-matvienko-PW9UT4SUIbg-unsplash.jpg   | seconds ago   | 157 kB    |

12. And that's it! You're ready for the workshop!

13. When the workshop begins, log into UofT's Jupyter Hub again and click on the "PythonPart1WorkshopNotebook.ipynb" file to open it. It should open up in a new browser tab.

The screenshot shows the Jupyter Hub interface. At the top, there is a "jupyterhub" logo and "Logout" and "Control Panel" buttons. Below the logo, there are tabs for "Files", "Running", "Clusters", and "Nbextensions". A message says "Select items to perform actions on them." and there are buttons for "Download Directory", "Upload", "New", and a refresh icon. A file browser table is shown with columns for "Name", "Last Modified", and "File size". The file "PythonPart1WorkshopNotebook.ipynb" is highlighted with a red box. Below the file browser, there is a menu bar with "File", "Edit", "View", "Insert", "Cell", "Kernel", "Widgets", and "Help". The notebook content is displayed in a large frame with the following text:

**A Friendly Introduction to Python for Absolute Beginners: Part 1**  
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**Before we get started...**

<https://jupyter.utoronto.ca/>

- Login with your UTORid
- If you haven't done so already, follow the setup instructions to download the workshop files: <https://uoft.me/python1setup>

**Welcome to our Workshop on Python!**

This is a welcoming environment, for those who are absolute beginners to programming (as we once were)! Please feel free to ask any questions you have during this workshop. Remember, there are no stupid questions, and mistakes and error messages are an important part of learning any new skill. To learn to program, you need to be willing to play and experiment, and we are here to help you build a good foundation to do just that.

If you have any questions as we go, please don't hesitate to ask!

We will invite participants to share their answers to the exercises in this workshop, but won't be calling on anyone to participate.

14. We will be walking you through this file during the workshop, and you will be able to run code and complete activities from within this file.