Intro to Jupyterlab

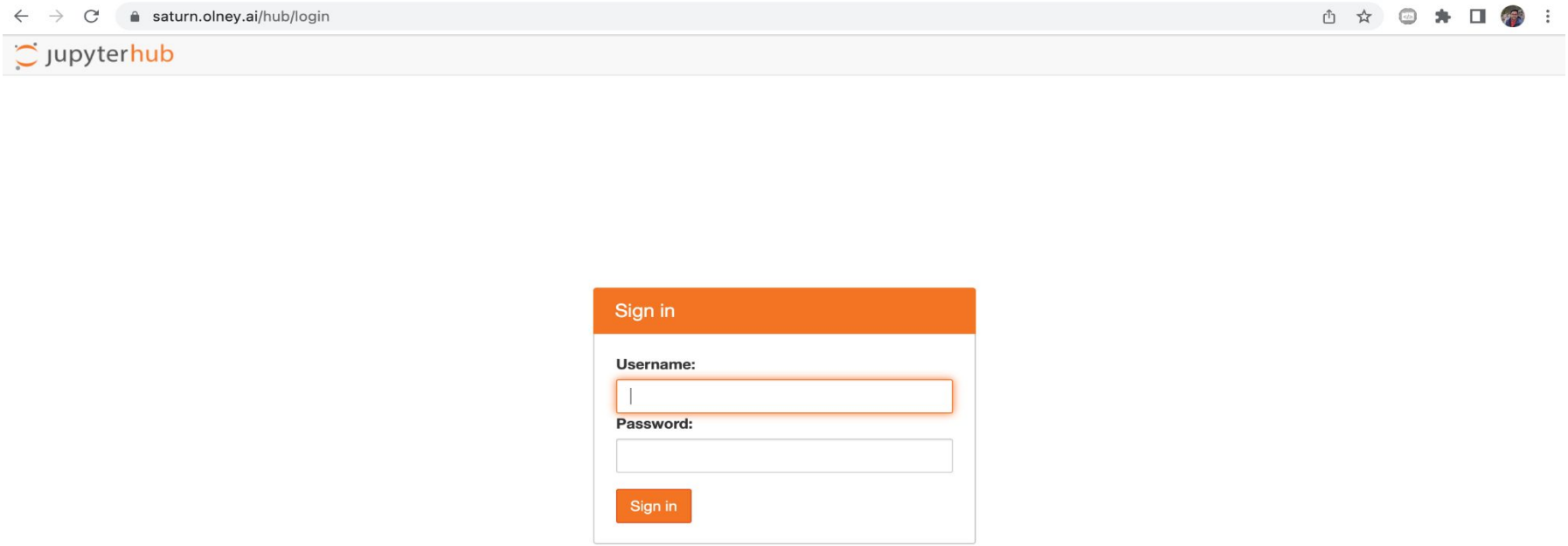
A guide to the jupyterlab user interface

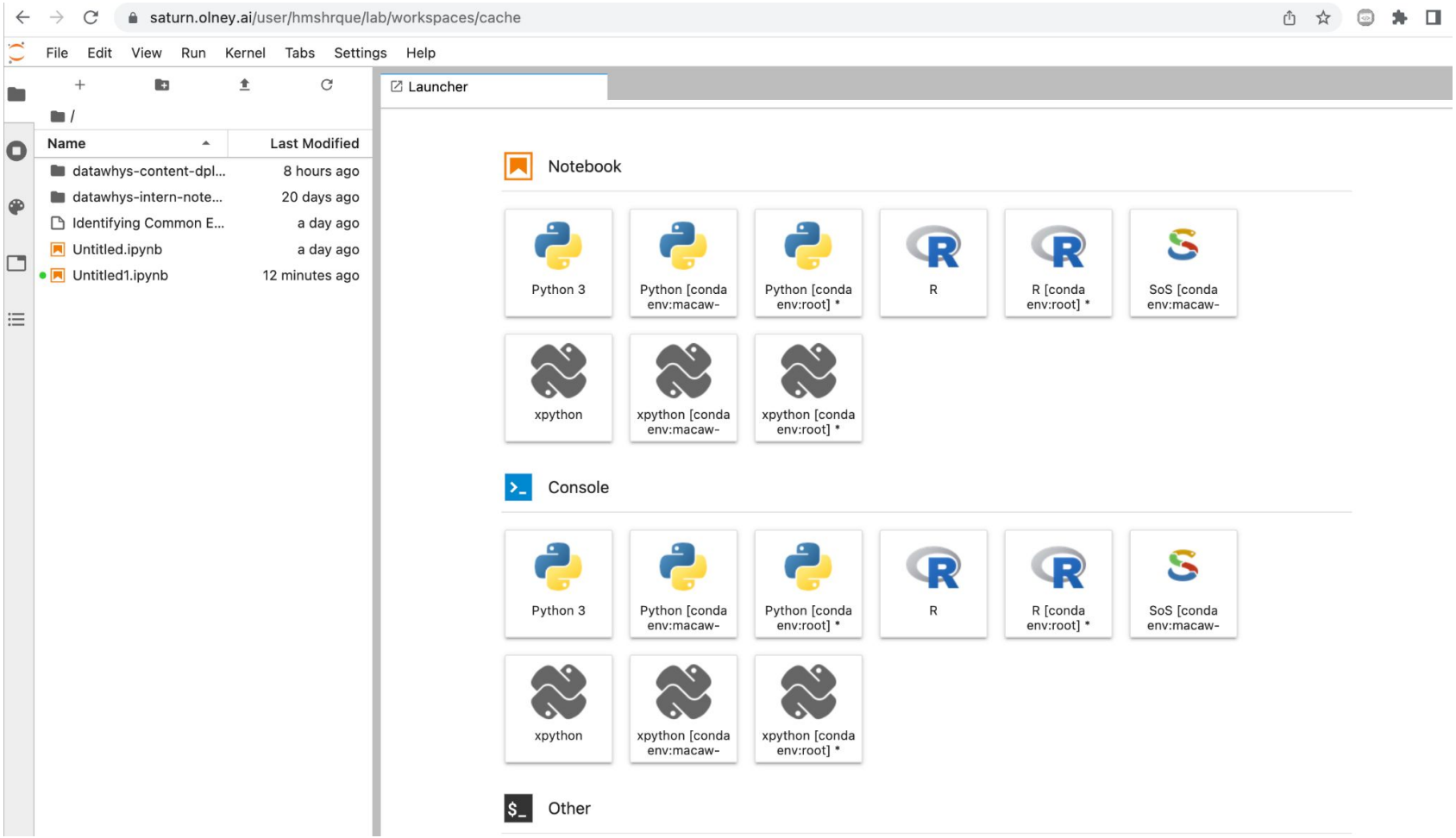
Objectives :

- Learn about the Jupyterlab environment
- Practice basic tasks in Jupyterlab

Login to Jupyterlab

- Logging In to jupyterlab at **saturn.olney.ai**

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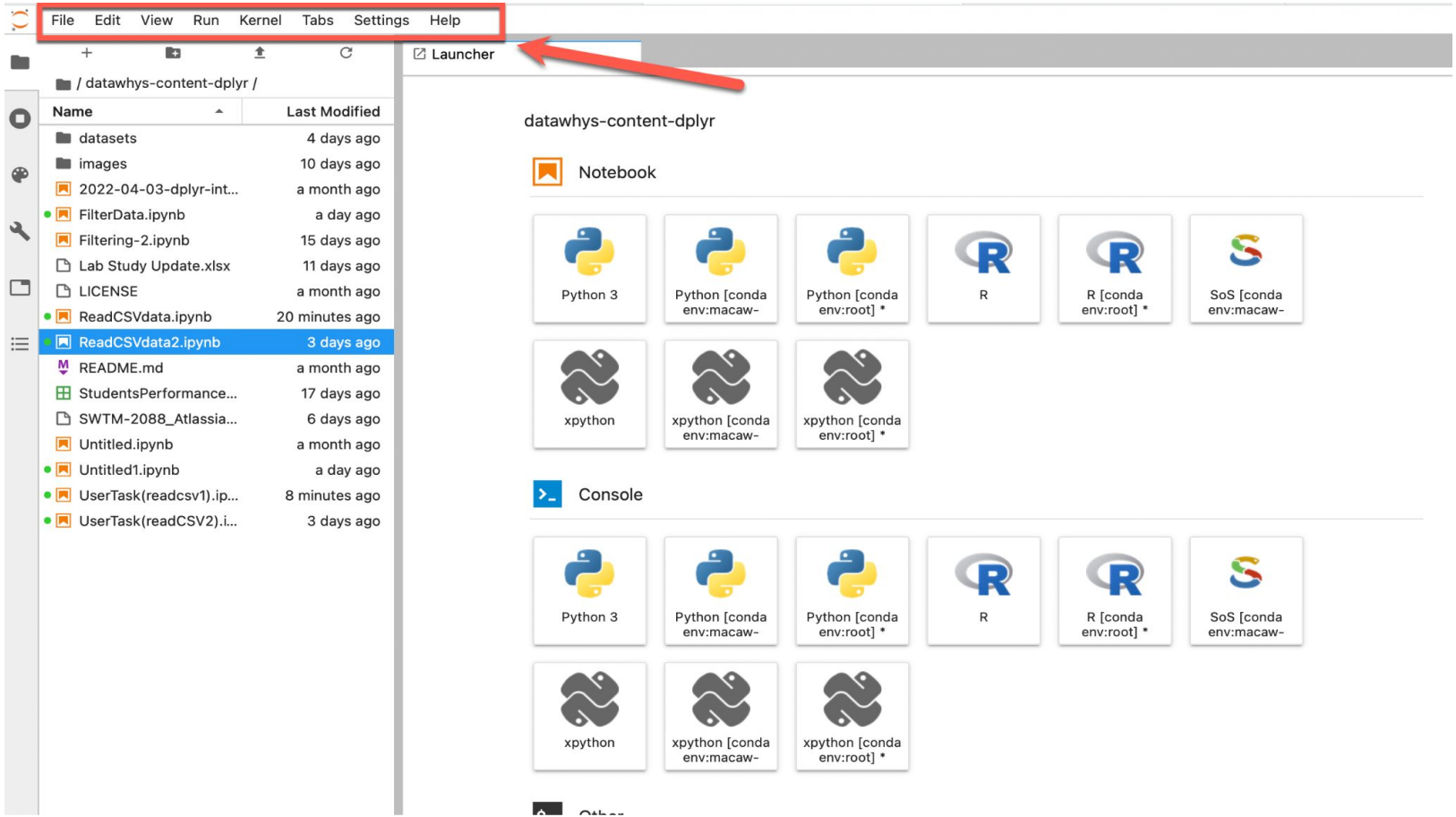
Other

The Menu Bar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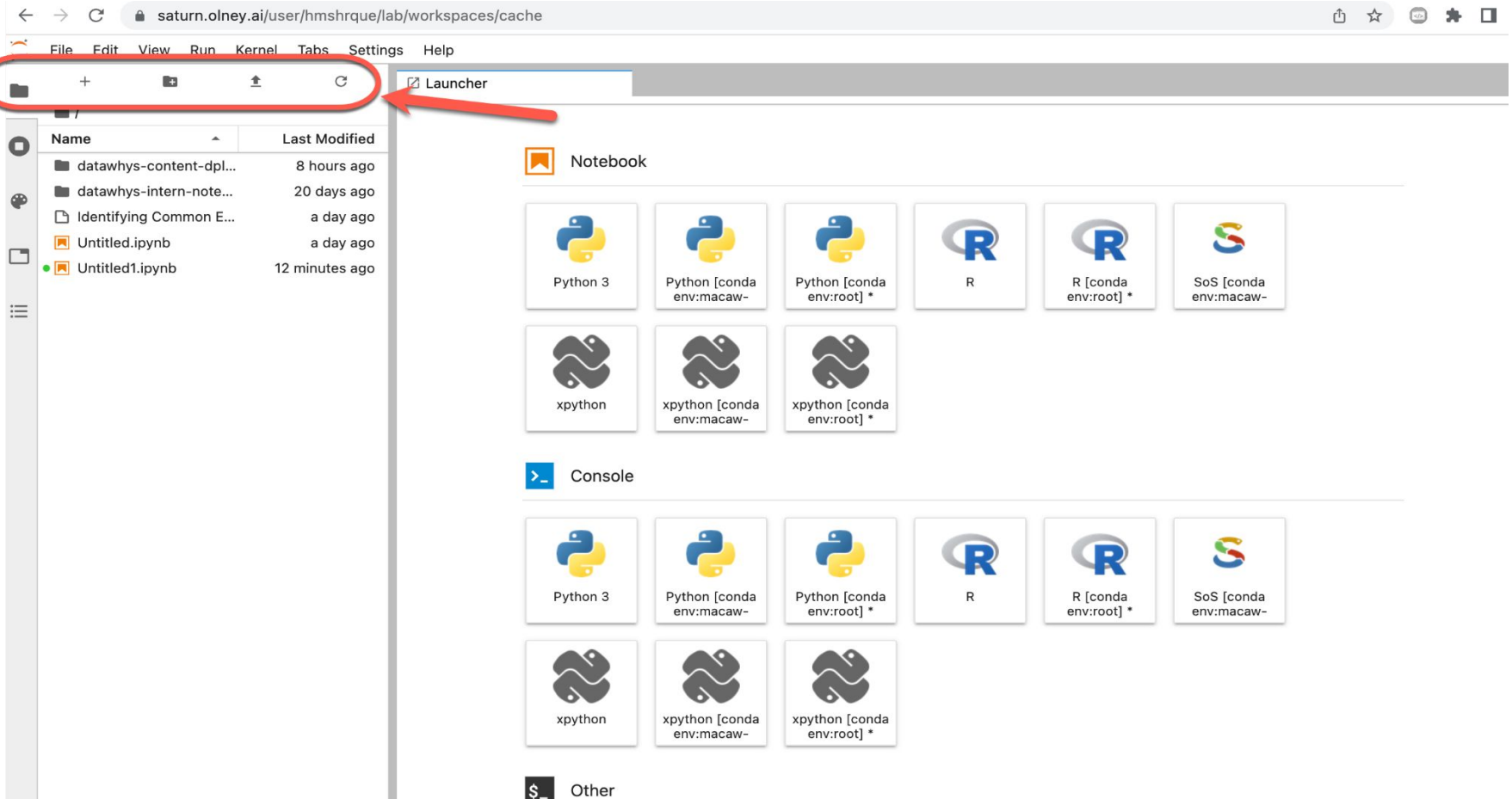
The toolbar


saturn.olney.ai/user/hmshrque/lab/workspaces/cache
File Edit View Run Kernel Tabs Settings Help
Launcher
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8 hours ago
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Notebook
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Console
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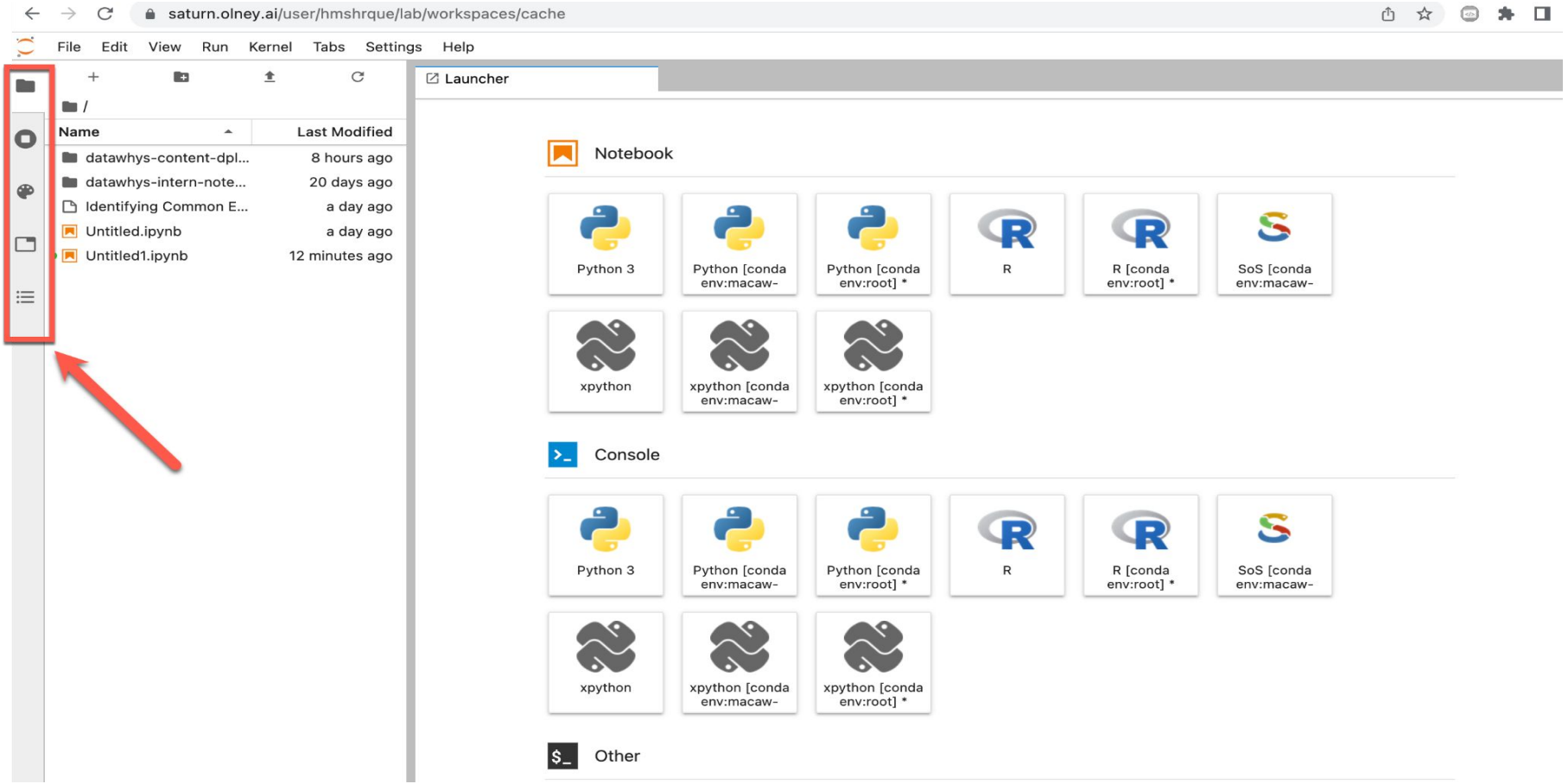
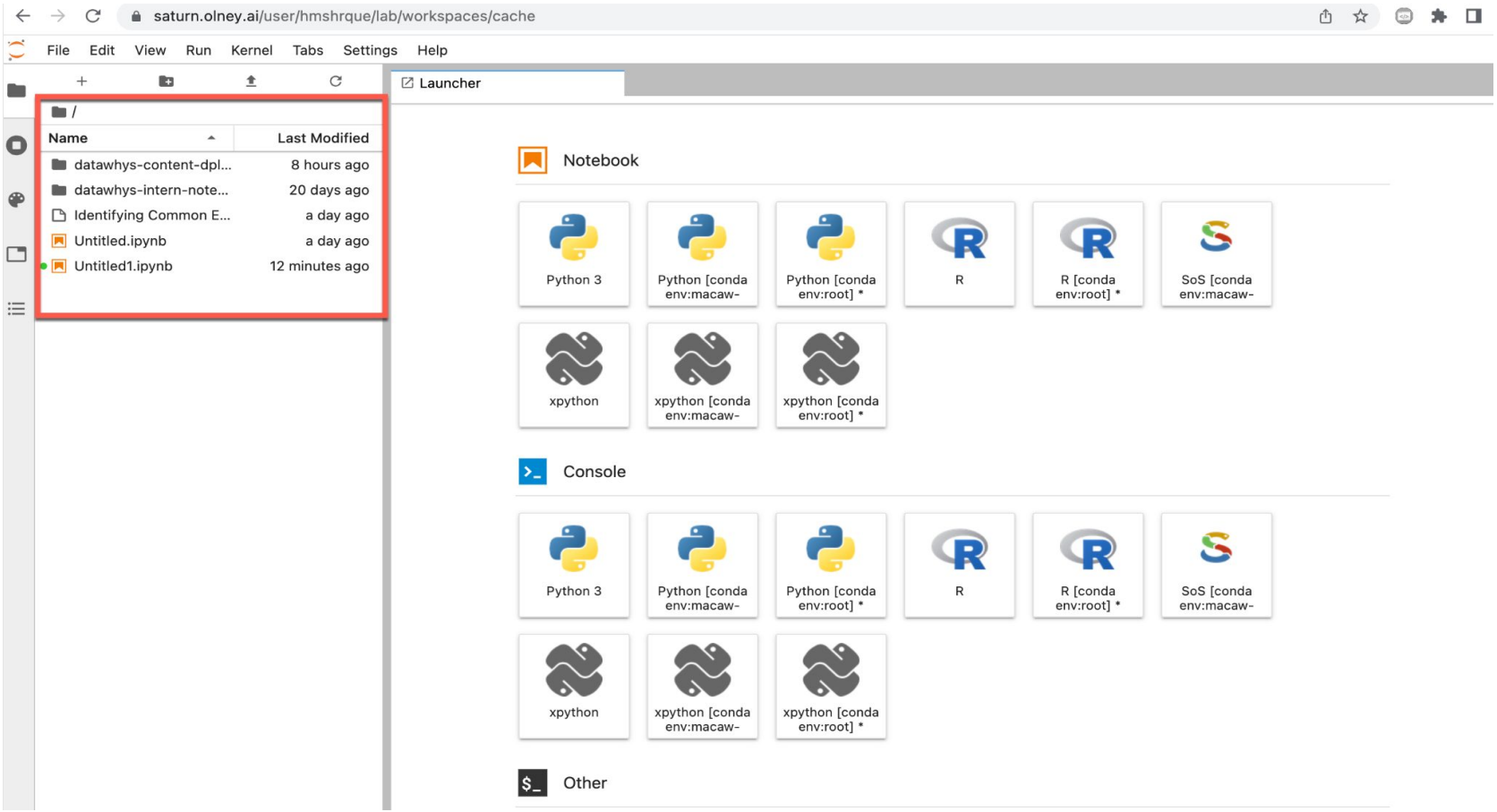
xpython [conda env:root] *
Other

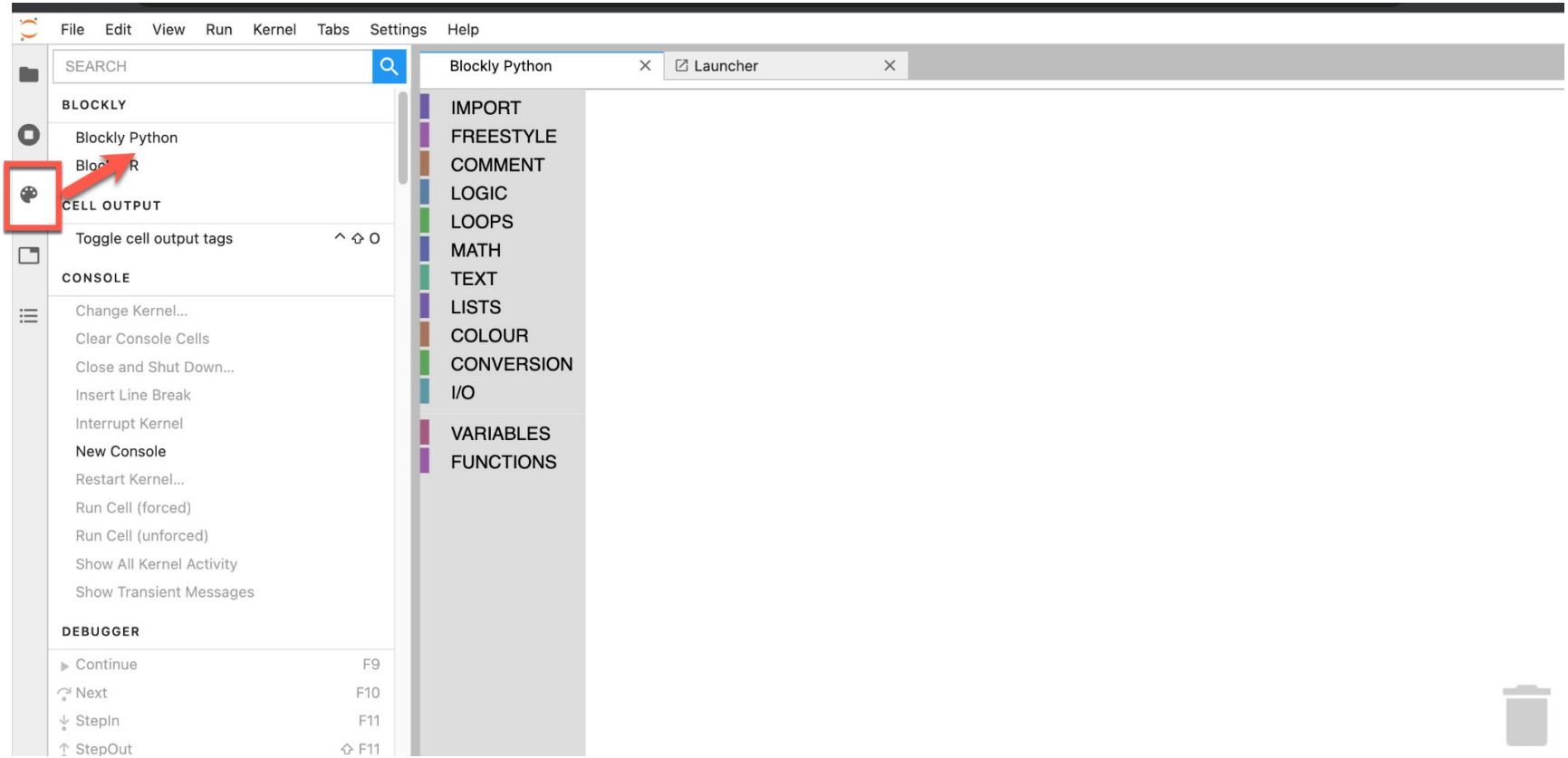
The Left Panel(side bar)



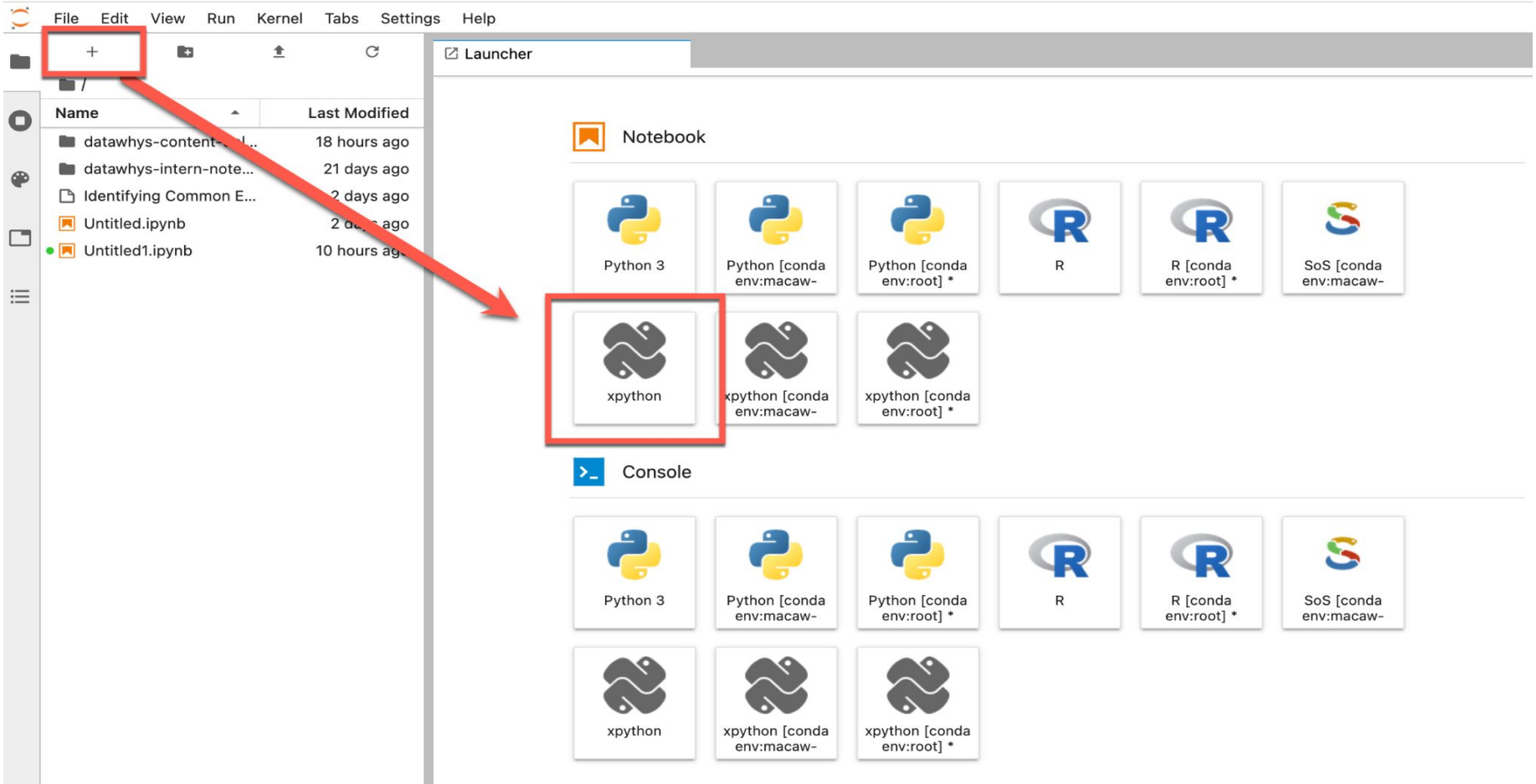
Folder Structure in Jupyterlab



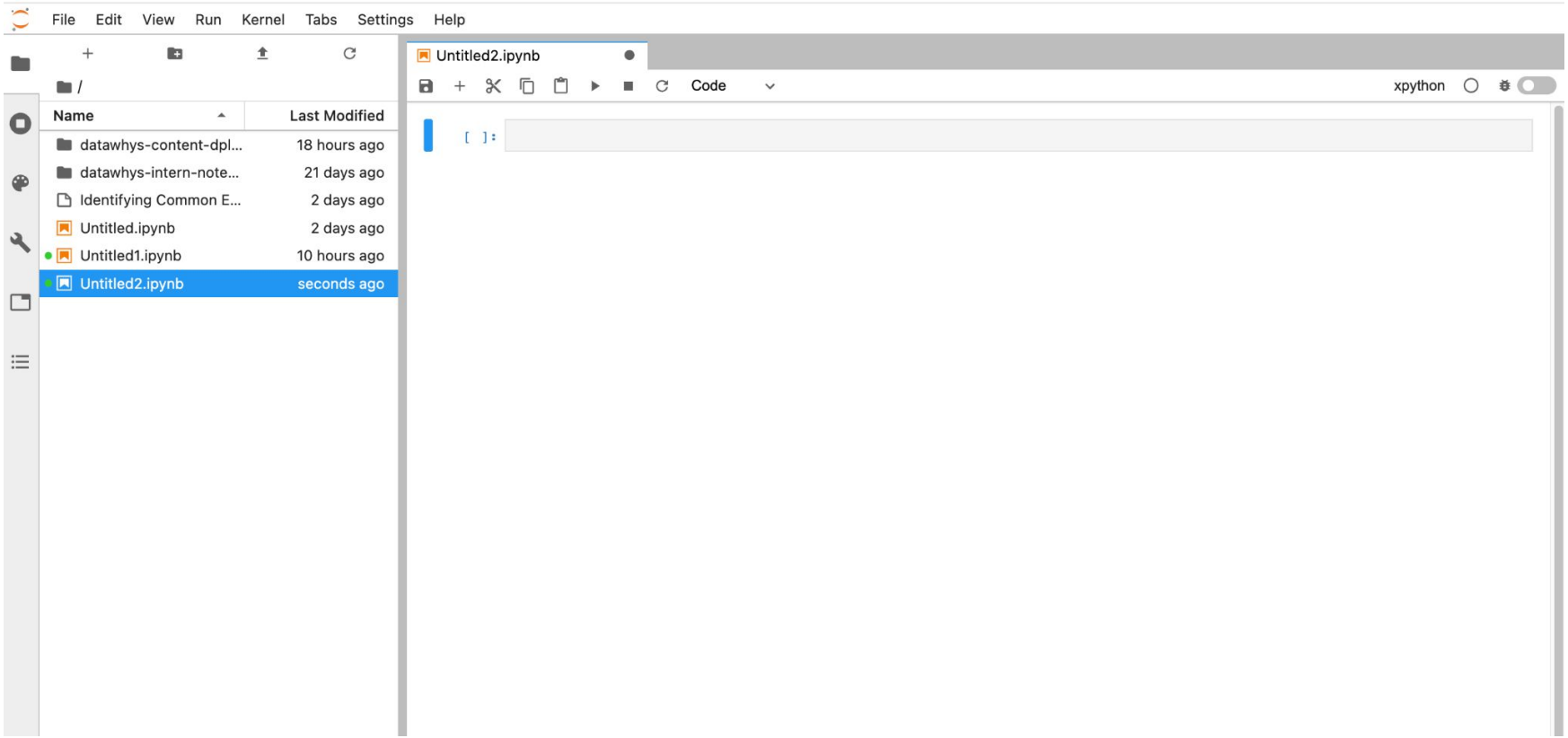
The Blockly Palette



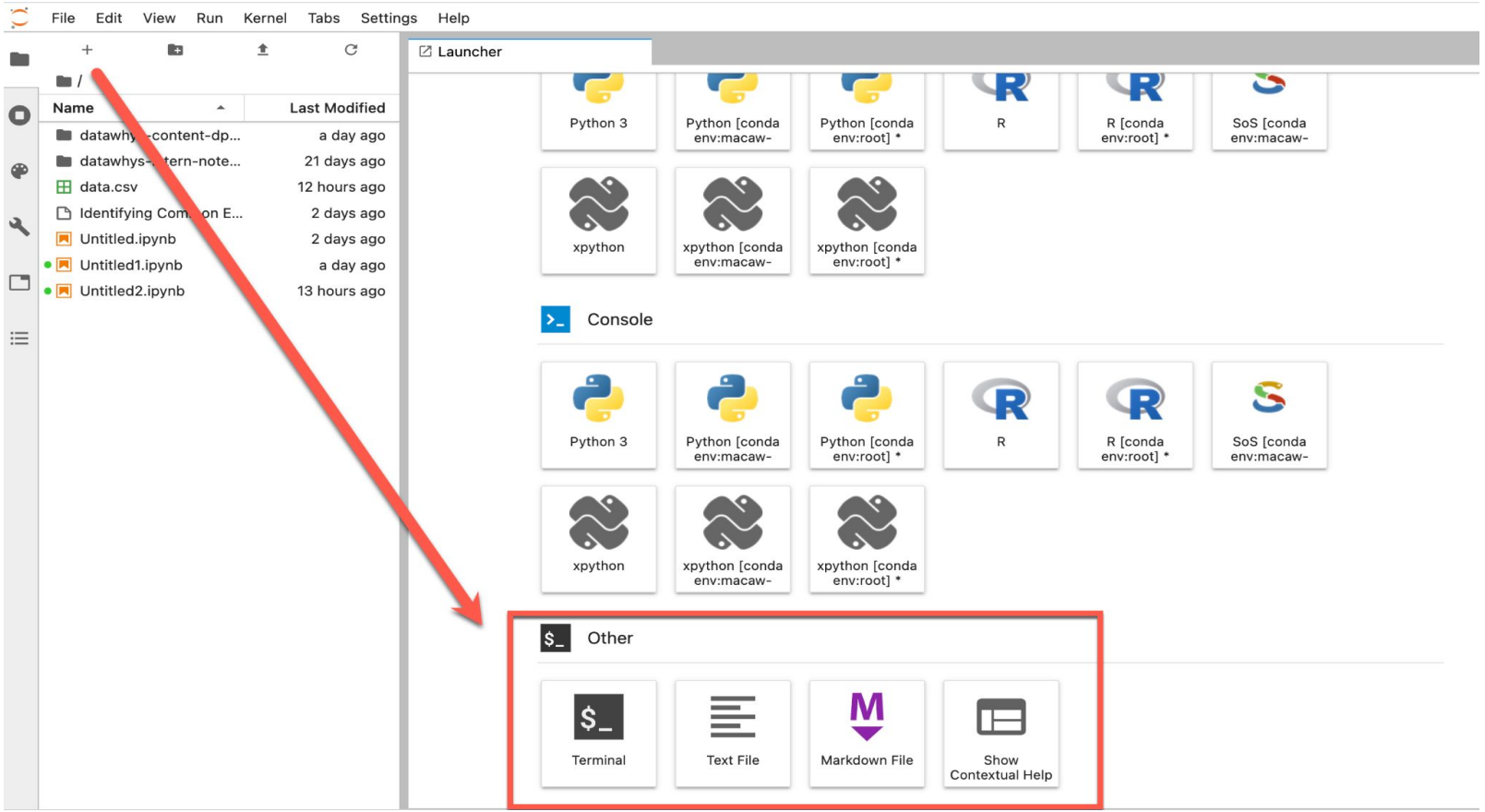
Opening python file from launcher (1)



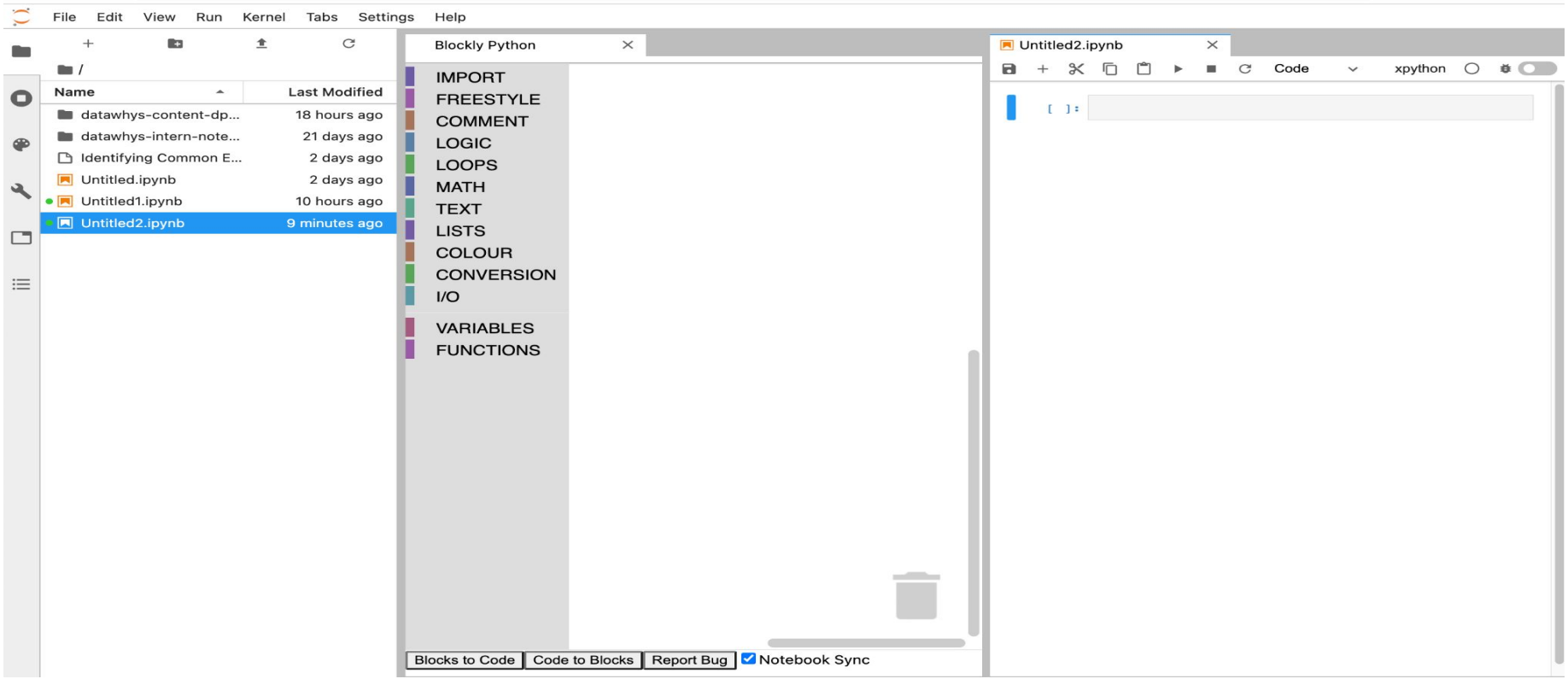
Opening python file from launcher(2)



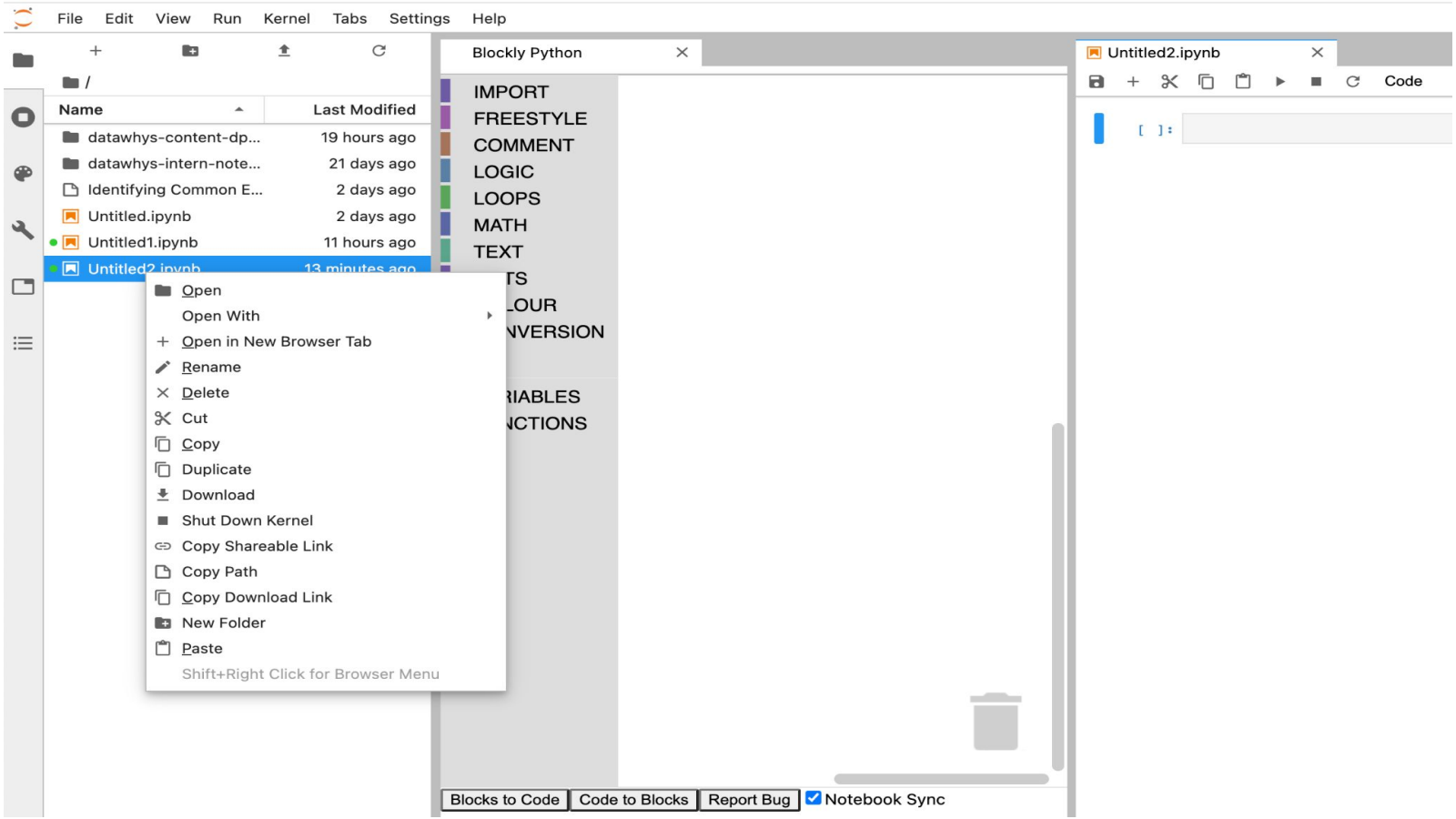
Opening other file types



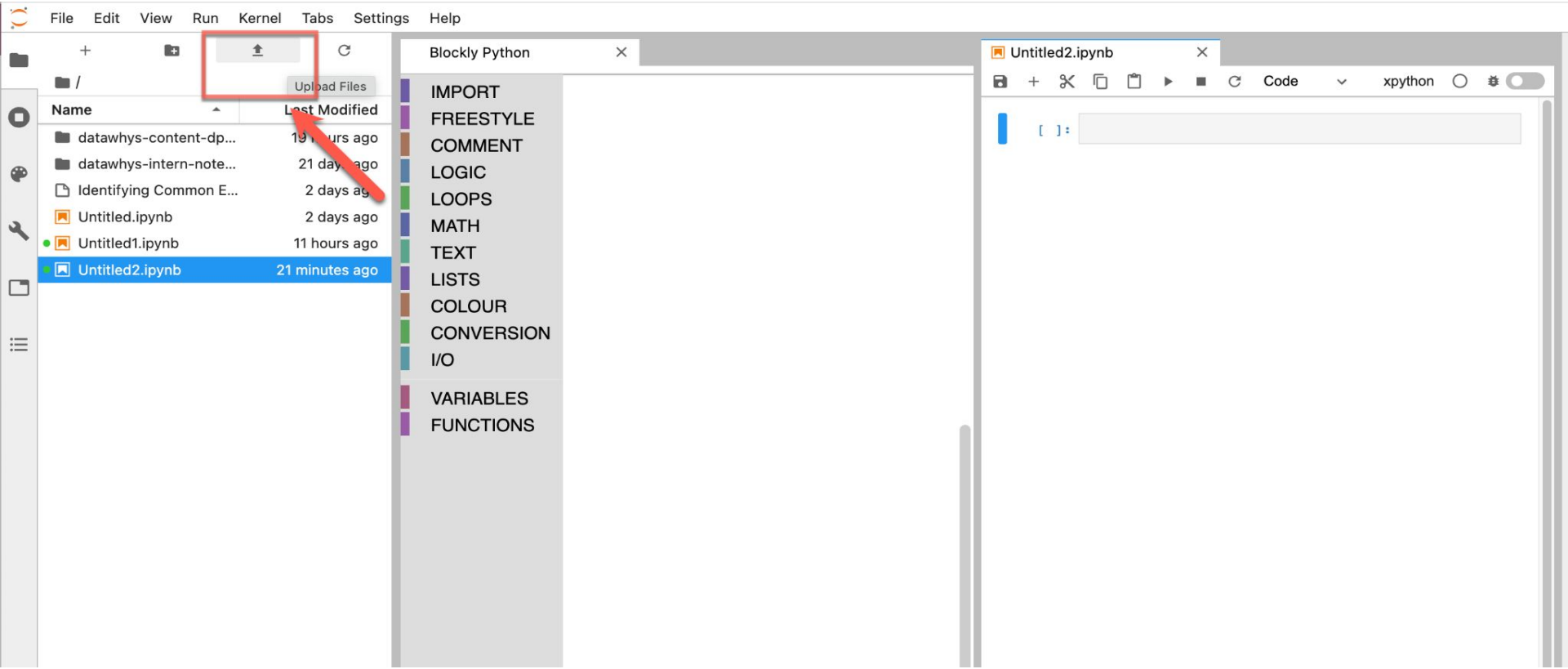
Viewing blockly and python file side by side



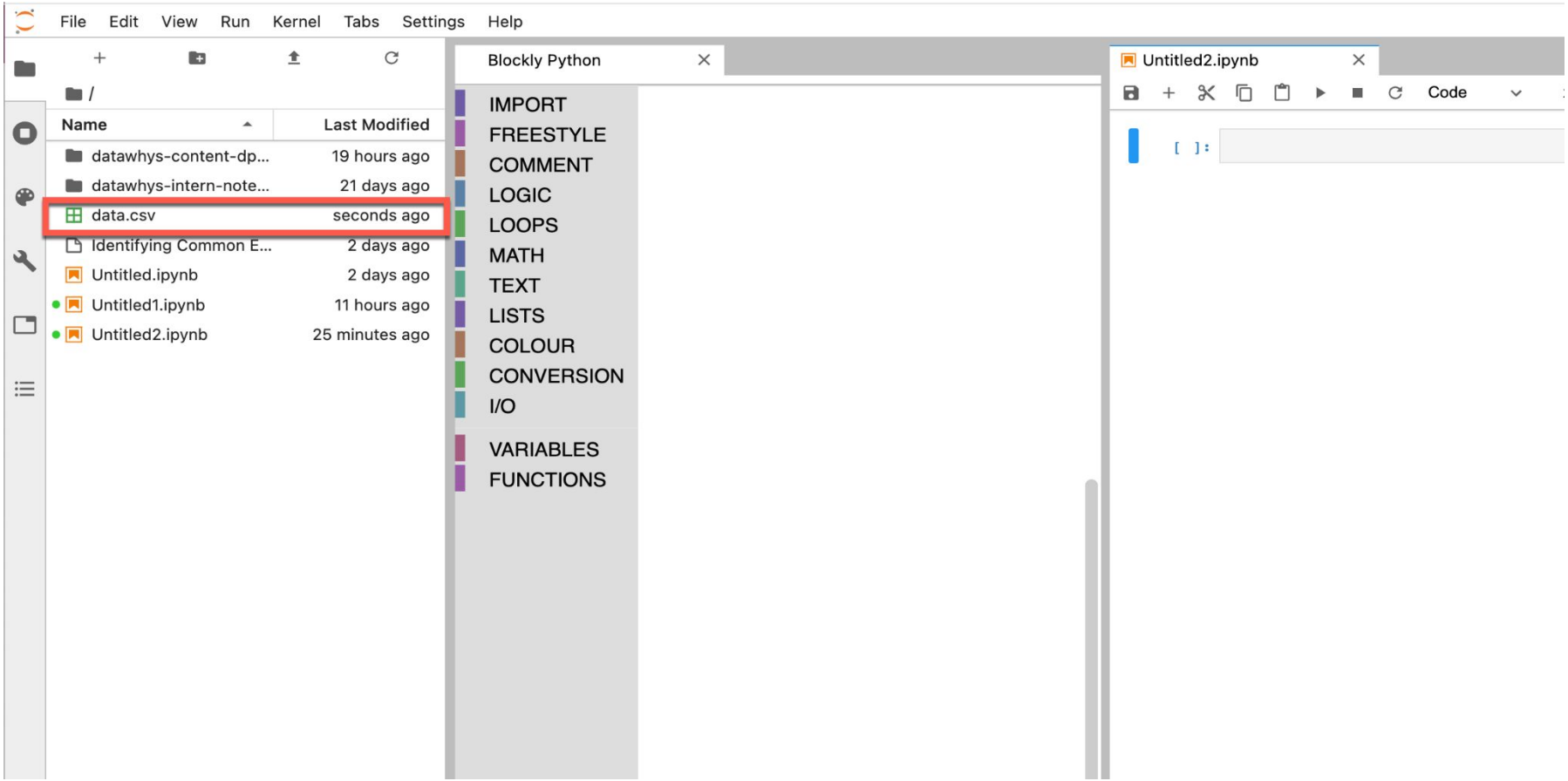
File Operations



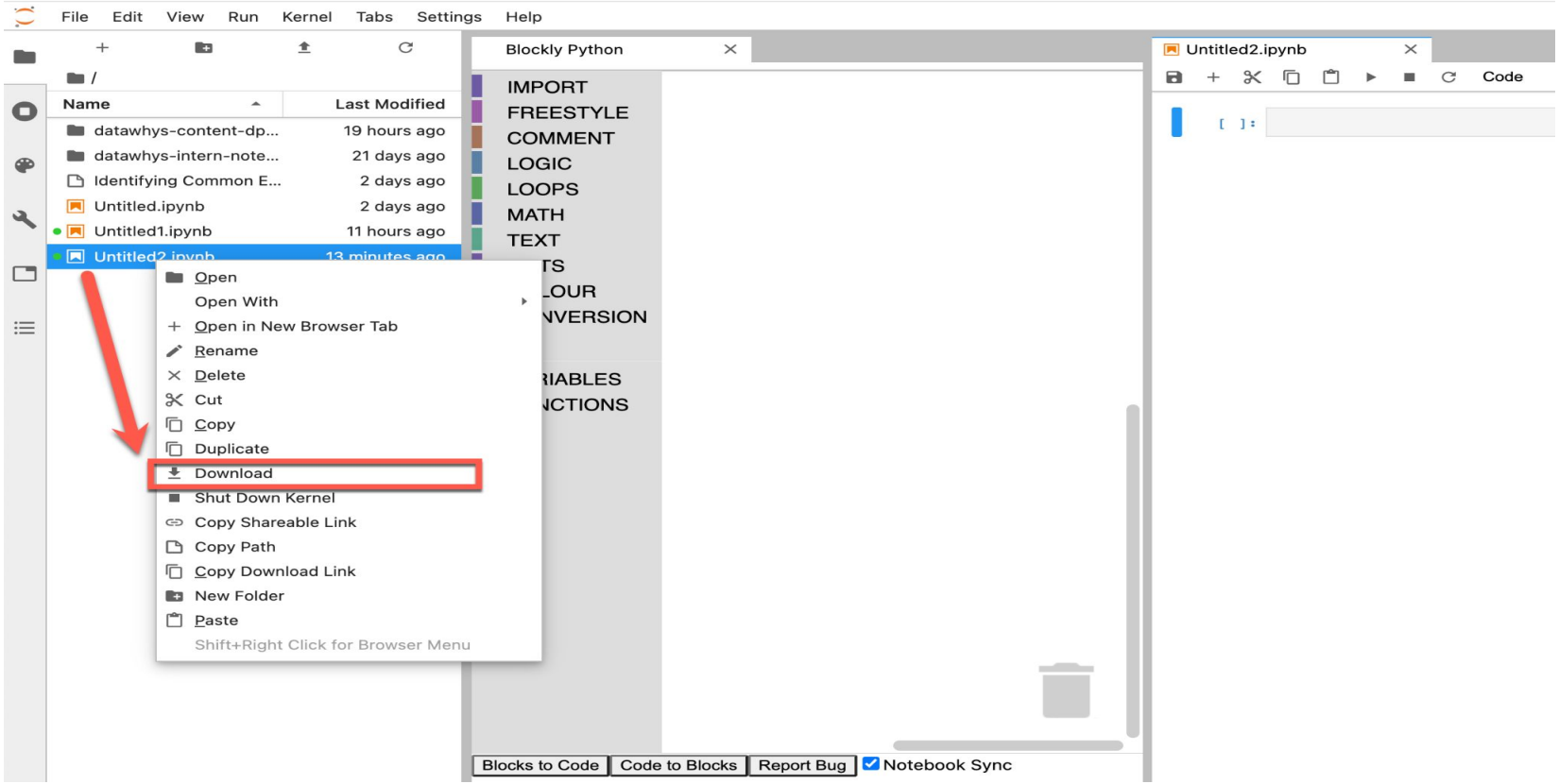
Uploading a file in Jupyterlab (1)



Uploading a file in Jupyterlab (2)



Downloading a file from Jupyterlab



Practice Tasks:

- Login into the Jupyterlab system (wd username and password.)
- Open a xpython file from launcher
- Open a block palette from the side panel
- View the blocks and xpython file side by side
- Create a new Folder from the toolbar and name it “Test Folder”.
    - Go the that folder
    - Open a new notebook file from “File” menu
    - Name the file ‘testfile.ipynb’
    - Duplicate the file.
    - Delete the duplicate file
    - Download the ‘test.ipynb’ file in your computer
  - Upload the ‘test.ipynb’ file to jupyterlab
  - Rename the uploaded file ‘uploadedtest.ipynb’
  - Check which files are open from the ‘Kernel’ tab

Self Practice:

- Login into the Jupyterlab system (wd username and password).
- Open a xpython file from launcher
- Open a block palette from the side panel
- View the blocks and xpython file side by side
- Create a new Folder from the toolbar and name it “New Folder”.
    - Go the that folder
    - Open a new notebook file from “File” menu
    - Name the file ‘newfile.ipynb’
    - Duplicate the file.
    - Delete the duplicate file
    - Download the ‘newfile.ipynb’ file in your computer
- Upload the ‘newfile.ipynb’ file to jupyterlab
- Rename the uploaded file ‘uploaded.ipynb’
- Check which files are open from the ‘Kernel’ tab