

# The Server for JupyterHub

## - Handbook -



Server Info:

IP: 140.123.105.171

Port: 8000

Software

Python version: 3

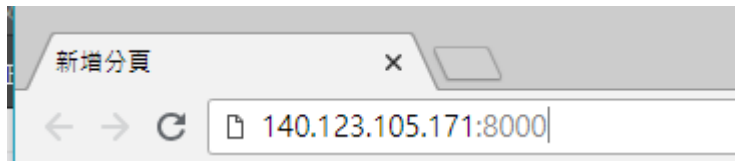
Machine learning framework: TensorFlow

Neural networks API: Keras

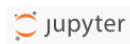
# Login

Open your browser and key in 140.123.105.171:8000

Or open this link: <http://140.123.105.171:8000>



You will see the login interface.



**Sign in**

Warning: JupyterHub seems to be served over an unsecured HTTP connection. We strongly recommend enabling HTTPS for JupyterHub.

**Username:**

**Password:**

**Sign In**

Enter your account and password.

# Sign in

Warning: JupyterHub seems to be served over an unsecured HTTP connection. We strongly recommend enabling HTTPS for JupyterHub.

**Username:**

**Password:**

Sign In

## How to use it?

After you sign in, you can see a Homepage.

Logout

Control Panel

Files

Running

Clusters

Select items to perform actions on them.

0

/

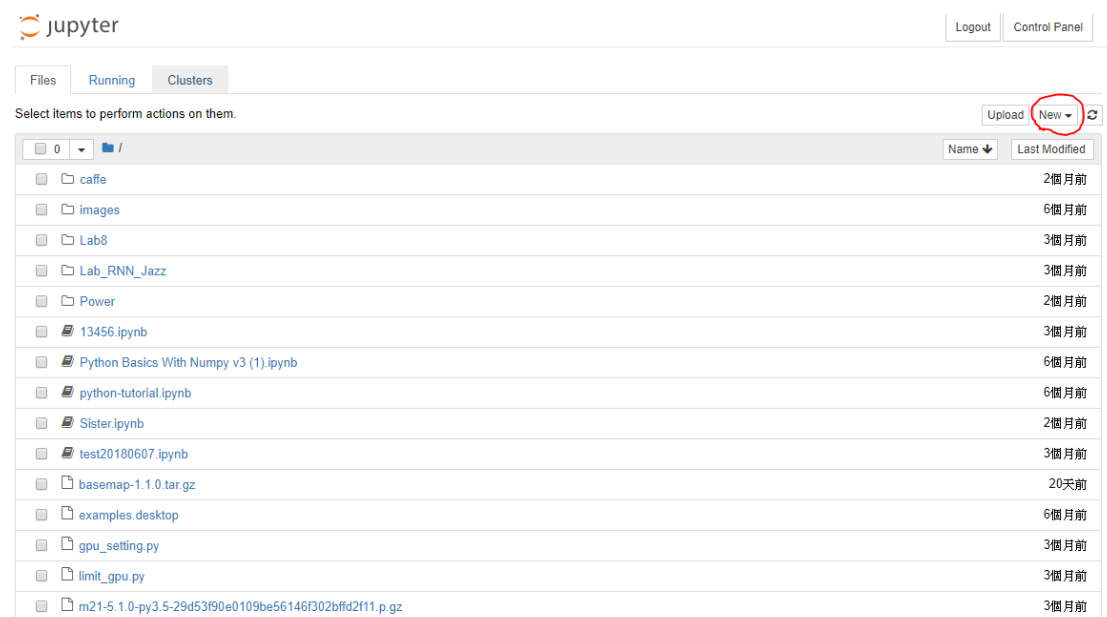
Name

Last Modified

	caffe	2個月前
	images	6個月前
	Lab8	3個月前
	Lab_RNN_Jazz	3個月前
	Power	2個月前
	13456.ipynb	3個月前
	Python Basics With Numpy v3 (1).ipynb	6個月前
	python-tutorial.ipynb	6個月前
	Sister.ipynb	2個月前
	test20180607.ipynb	3個月前
	basemap-1.1.0.tar.gz	20天前
	examples.desktop	6個月前
	gpu_setting.py	3個月前
	limit_gpu.py	3個月前
	m21-5.1.0-py3.5-29d53f90e0109be56146f302bffd2f11.p.gz	3個月前

## How to create a python program?

Click the **New** button which has a red circle.

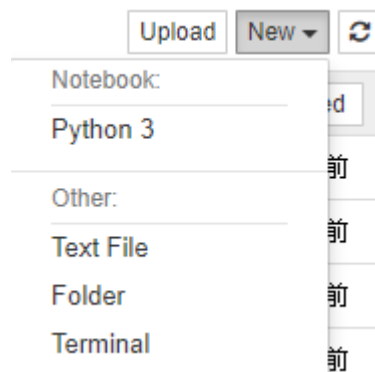


The image shows the JupyterLab interface. At the top, there's a 'jupyter' logo and 'Logout' and 'Control Panel' links. Below that are tabs for 'Files', 'Running', and 'Clusters'. A message says 'Select items to perform actions on them.' To the right are 'Upload', 'New' (circled in red), and a refresh icon. Below this is a file browser showing a list of files and folders. The 'New' button is highlighted with a red circle.

Name	Last Modified
caffe	2個月前
images	6個月前
Lab8	3個月前
Lab_RNN_Jazz	3個月前
Power	2個月前
13456.ipynb	3個月前
Python Basics With Numpy v3 (1).ipynb	6個月前
python-tutorial.ipynb	6個月前
Sister.ipynb	2個月前
test20180607.ipynb	3個月前
basemap-1.1.0.tar.gz	20天前
examples.desktop	6個月前
gpu_setting.py	3個月前
limit_gpu.py	3個月前
m21-5.1.0-py3.5-29d53f90e0109be56146f302bfd2f11.p.gz	3個月前

It has a list include

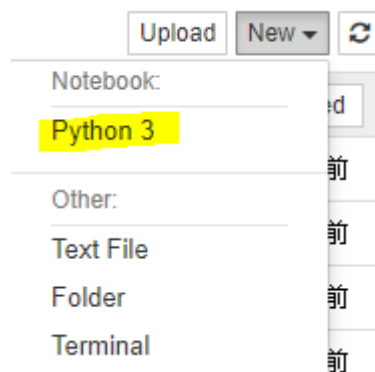
- Notebook: Python3
- Other: Text File, Folder, Terminal



The image shows the 'New' dropdown menu in JupyterLab. The menu is open, showing options under 'Notebook:' and 'Other:'. The 'Python 3' option is highlighted.

- Notebook:
  - Python 3
- Other:
  - Text File
  - Folder
  - Terminal

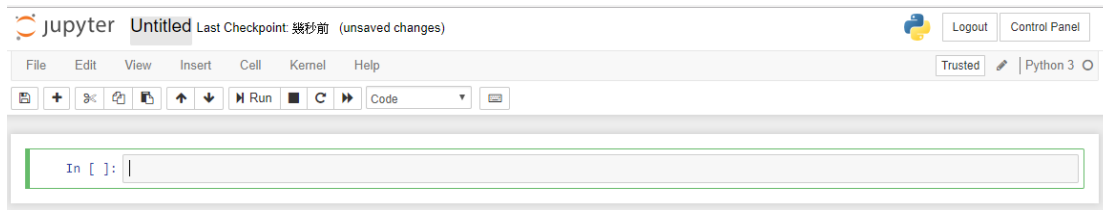
Click the **Python3** button to create a coding page.



The image shows the 'New' dropdown menu in JupyterLab. The menu is open, showing options under 'Notebook:' and 'Other:'. The 'Python 3' option is highlighted with a yellow background.

- Notebook:
  - Python 3
- Other:
  - Text File
  - Folder
  - Terminal

In the coding page, you can see like this



And you can write your program!

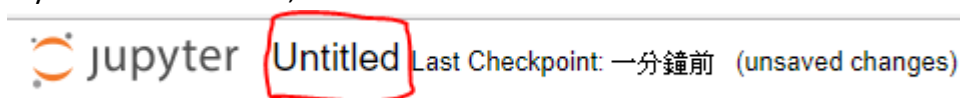
Oh! Please look here!

Our server use python3, please use the library and function for Python3.  
Thanks!

## Rename your program

On the bottom of coding page, you can see your programs name.

If you don't rename it, it will use default title.



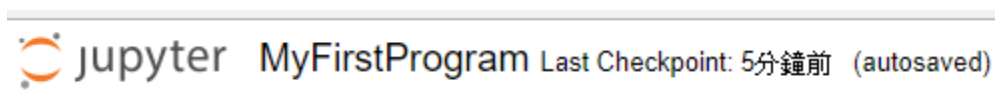
Click it to rename your program

A screenshot of the 'Rename Notebook' dialog box. It has a title bar 'Rename Notebook' with a close button. Below the title bar is a label 'Enter a new notebook name:'. Underneath is a text input field containing the text 'Untitled'. At the bottom right are two buttons: 'Cancel' and 'Rename'.

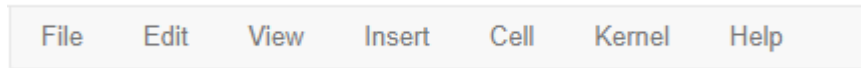
After you rename it, don't forget to click the Rename button.

A screenshot of the 'Rename Notebook' dialog box. It has a title bar 'Rename Notebook' with a close button. Below the title bar is a label 'Enter a new notebook name:'. Underneath is a text input field containing the text 'MyFirstProgram'. At the bottom right are two buttons: 'Cancel' and 'Rename'. The 'Rename' button is highlighted with a red rectangular box.

The title already changed!



About toolbox



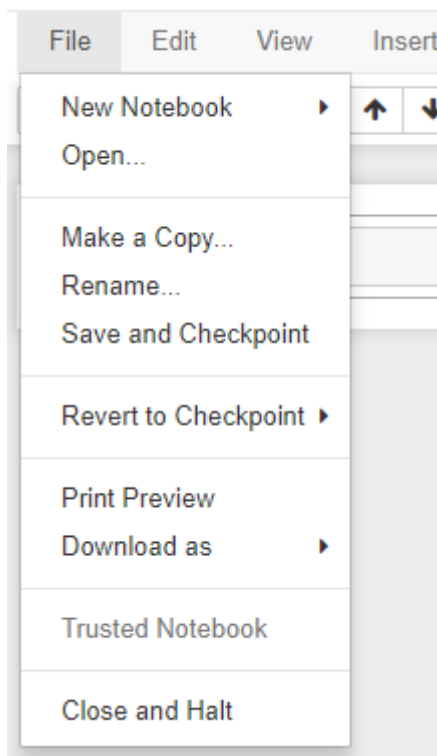
Jupyter has toolbox for some functions.

We give you some simple examples, if you want to know more, you can go to Jupyter's website or click the link below.

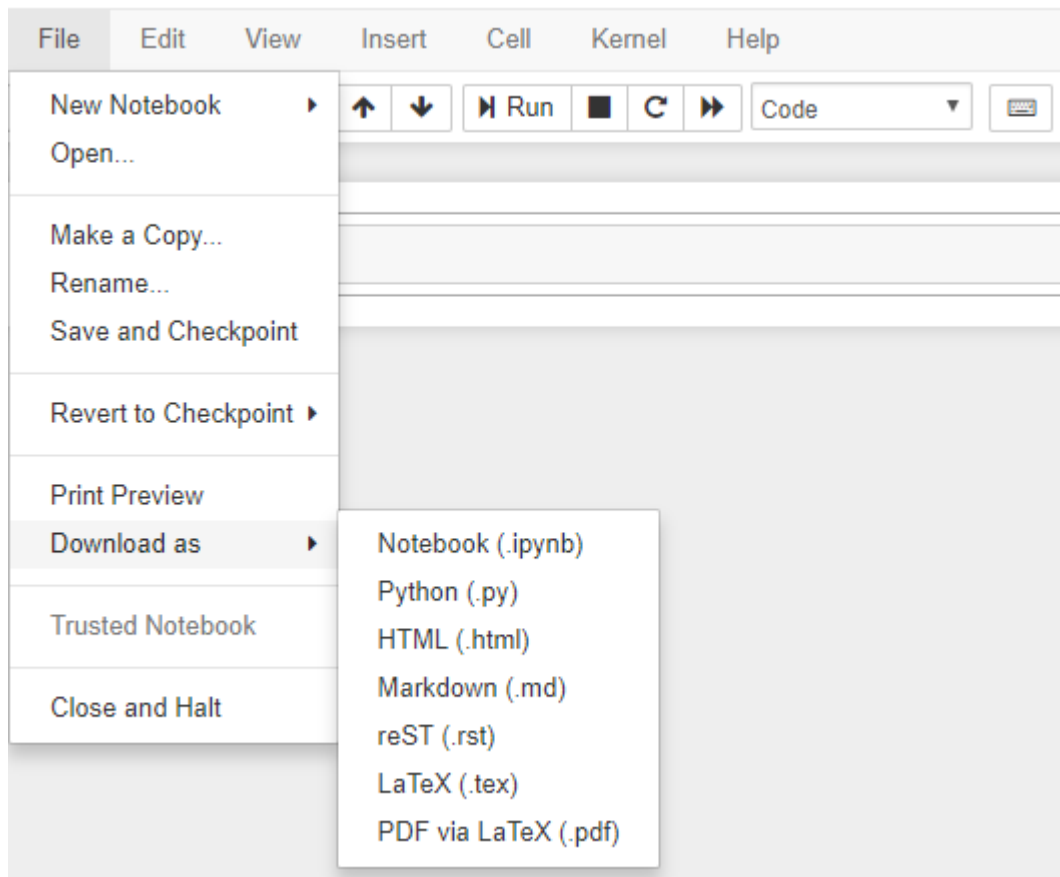
Jupyter Notebook doc: <https://jupyter-notebook.readthedocs.io/en/stable/examples/Notebook/What%20is%20the%20Jupyter%20Notebook.html>

## Download your file

Click the **File** button, you can see a list.

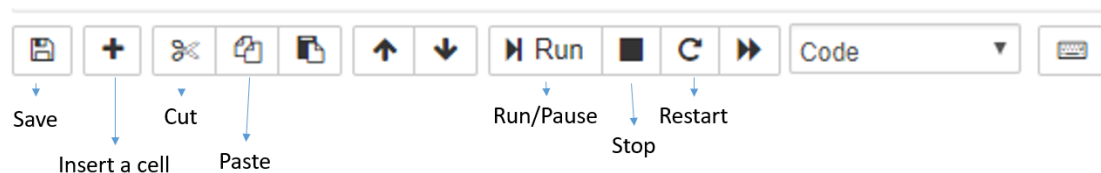


Click **Download as** to choose your file.




- If you want to download as python program please choose Python (.py).
- If you want to download as notebook program please choose Notebook (.ipynb)

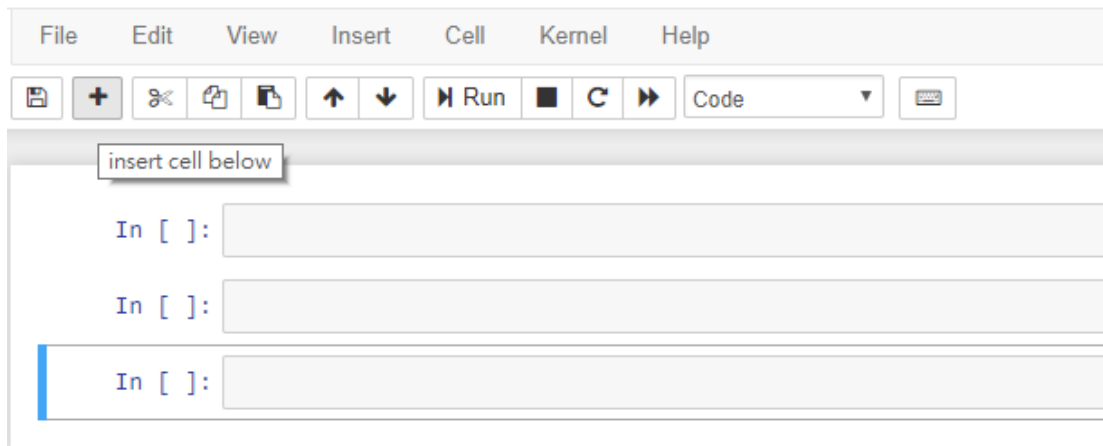
## Common function



## Create a new cell

If you want to create a new cell, you can click the button  .

Or use Shift + Enter



You can see more detail and teach in Jupyter document.

Jupyter Notebook → Docs → Notebook Examples → Notebook Basics

Link: [https://jupyter-](https://jupyter-notebook.readthedocs.io/en/stable/examples/Notebook/Notebook%20Basics.html)

[notebook.readthedocs.io/en/stable/examples/Notebook/Notebook%20Basics.html](https://jupyter-notebook.readthedocs.io/en/stable/examples/Notebook/Notebook%20Basics.html)

## \*\*\*Important\*\*

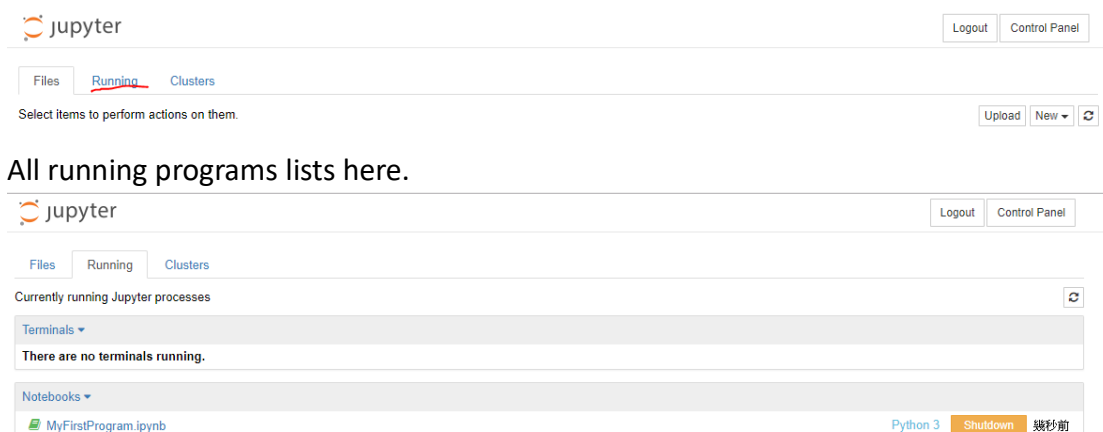
**After you finished running your program, you must shutdown the program!!!**

**After you finished running your program, you must shutdown the program!!!**

**After you finished running your program, you must shutdown the program!!!**

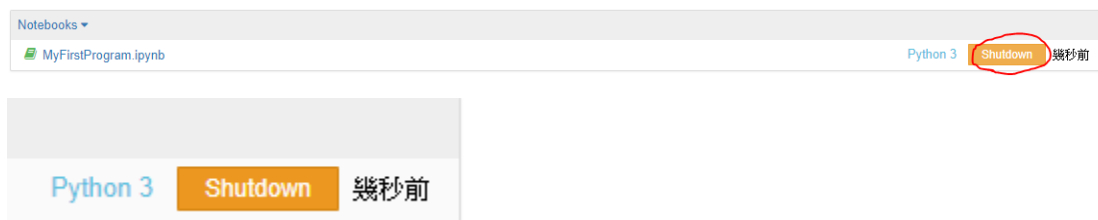
How to shut down?

Go to Homepage and you can see [Running](#).



Click **ShutDown** to stop your program.





Why do you need to shut down your program after running it?

When you close the coding page after you run your program, the program still occupies memory and space.

If you didn't shut down it, other users would get smaller memory and GPU computing resource.

You must shutdown it after you finished your programs.

Thanks!

## How to build Jupyter Notebook on your machine?

You can click the links below for information.

<https://jupyter.readthedocs.io/en/latest/install.html>