

4. JupyterLab environment construction and use

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4.1 Get the Raspberry Pi IP address

4.2 Start the JupyterLab environment

4.3 HelloWorld

Code block

Write code

Run code

Code block description

Precautions

The JupyterLab environment requires the computer and Raspberry Pi to be in the same LAN to use it normally. The factory system starts the JupyterLab service by default.

4.1 Get the Raspberry Pi IP address

The first time the factory image is turned on, you need to configure the network connection in the startup program, then enter the remote control interface, press the button in the lower right corner of the Rider-pi screen, and you can query the corresponding IP address.

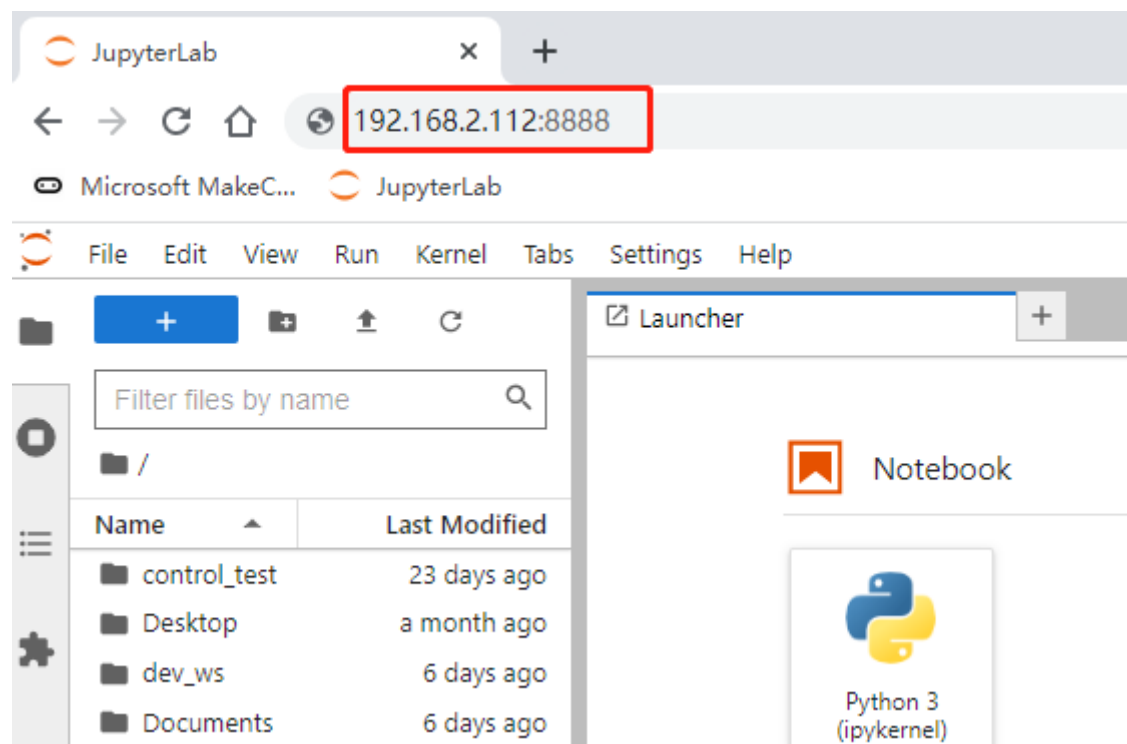




4.2 Start the JupyterLab environment

Open the browser on the computer and enter the IP address + port number of the Raspberry Pi in the address bar.

192.168.2.112:8888



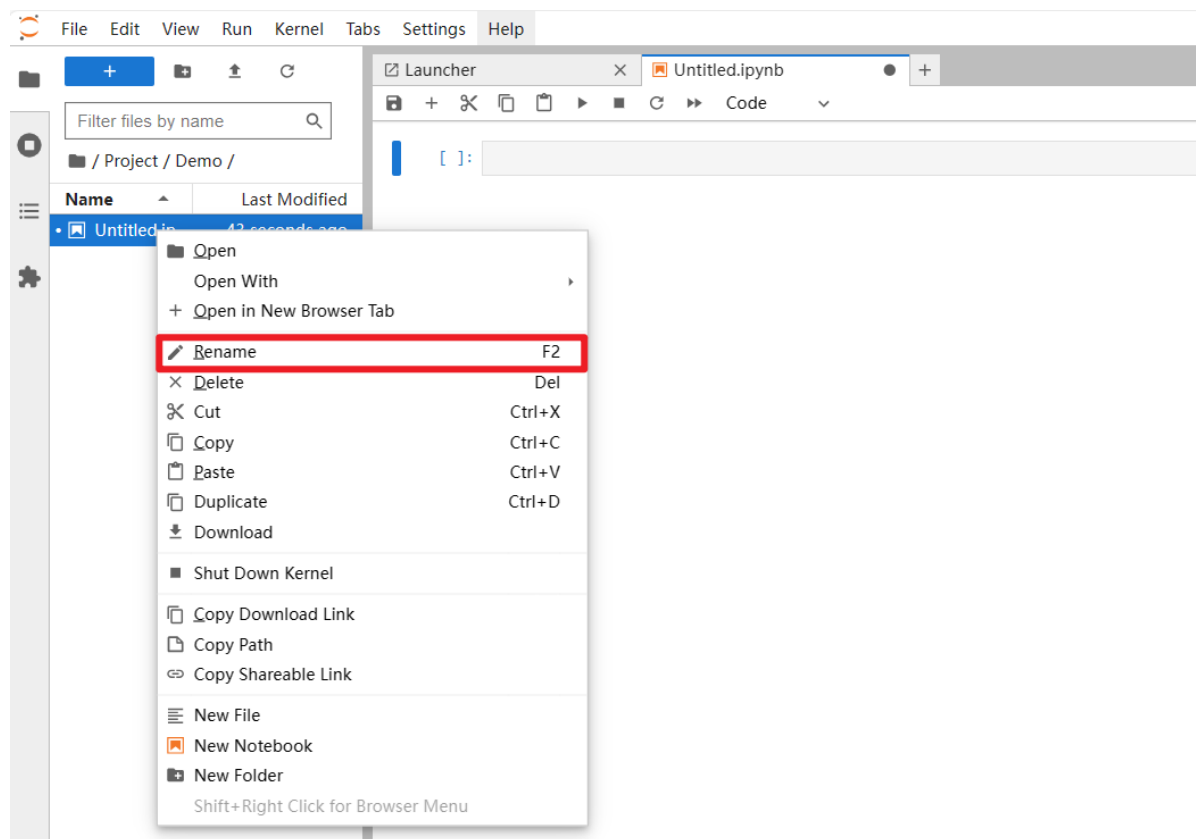
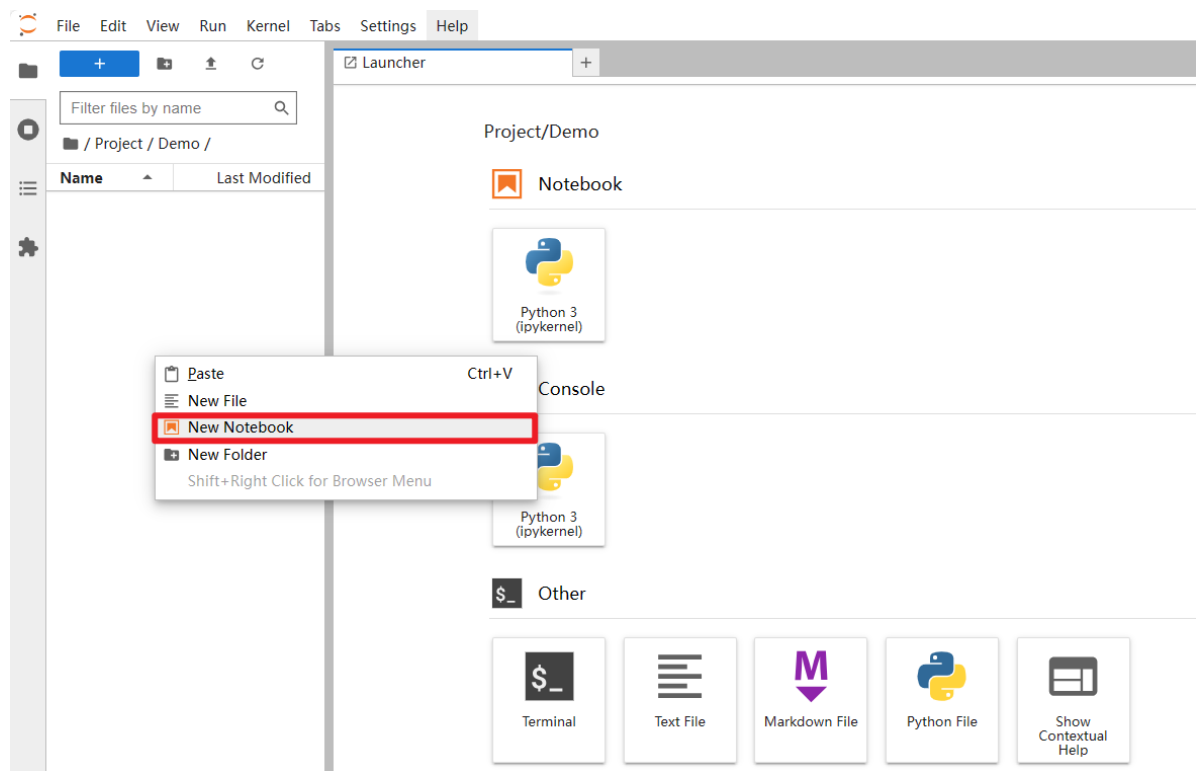
Then enter the JupyterLab login password (yahboom) to log in.

4.3 HelloWorld

Write and run the HelloWorld program.

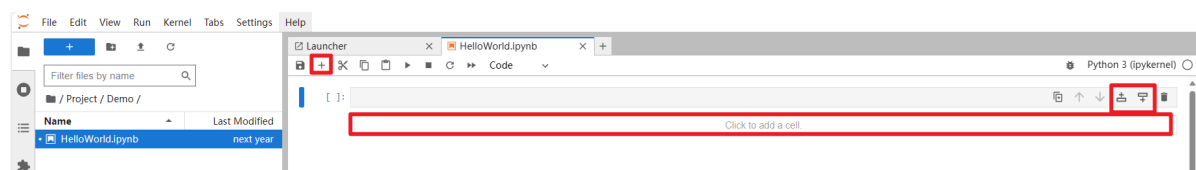
- Create a new file and name it HelloWorld

Right-click the file browser menu bar, select "New Notebook File (New Notebook)", select Python3 for the kernel, and then rename it to HelloWorld

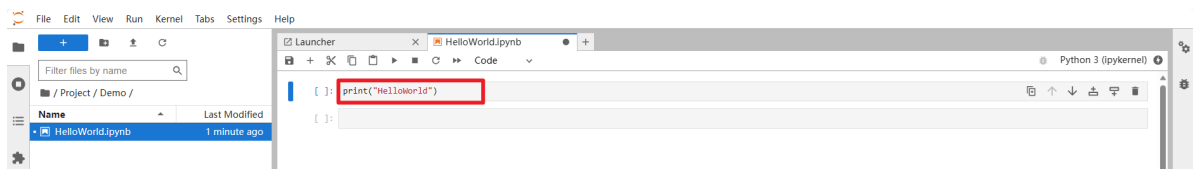


Code block

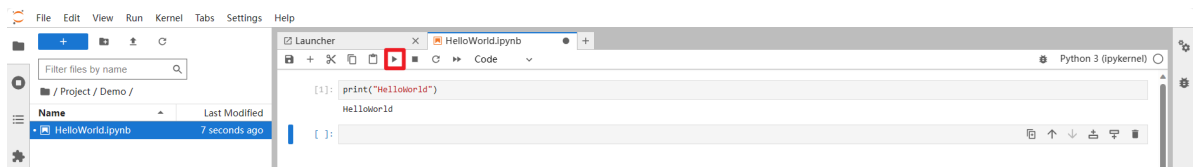
Select the following positions to add code blocks up or down



Write code



Run code

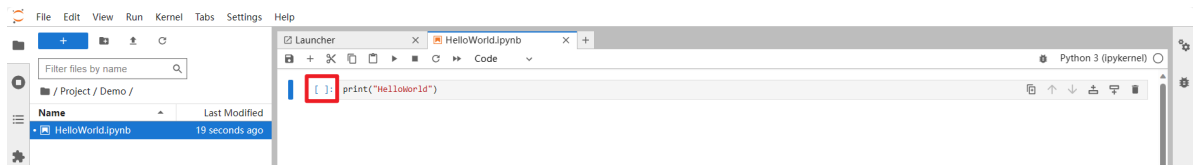


Code block description

The content in [] on the left side of the code block has two states: * and number

*: Indicates that the code block is still running

Number: represents the order in which code blocks are executed



Precautions

If you want to reset or abnormal problems occur while the code is running, you can do the following: restart all cores and clear all code block output.

