

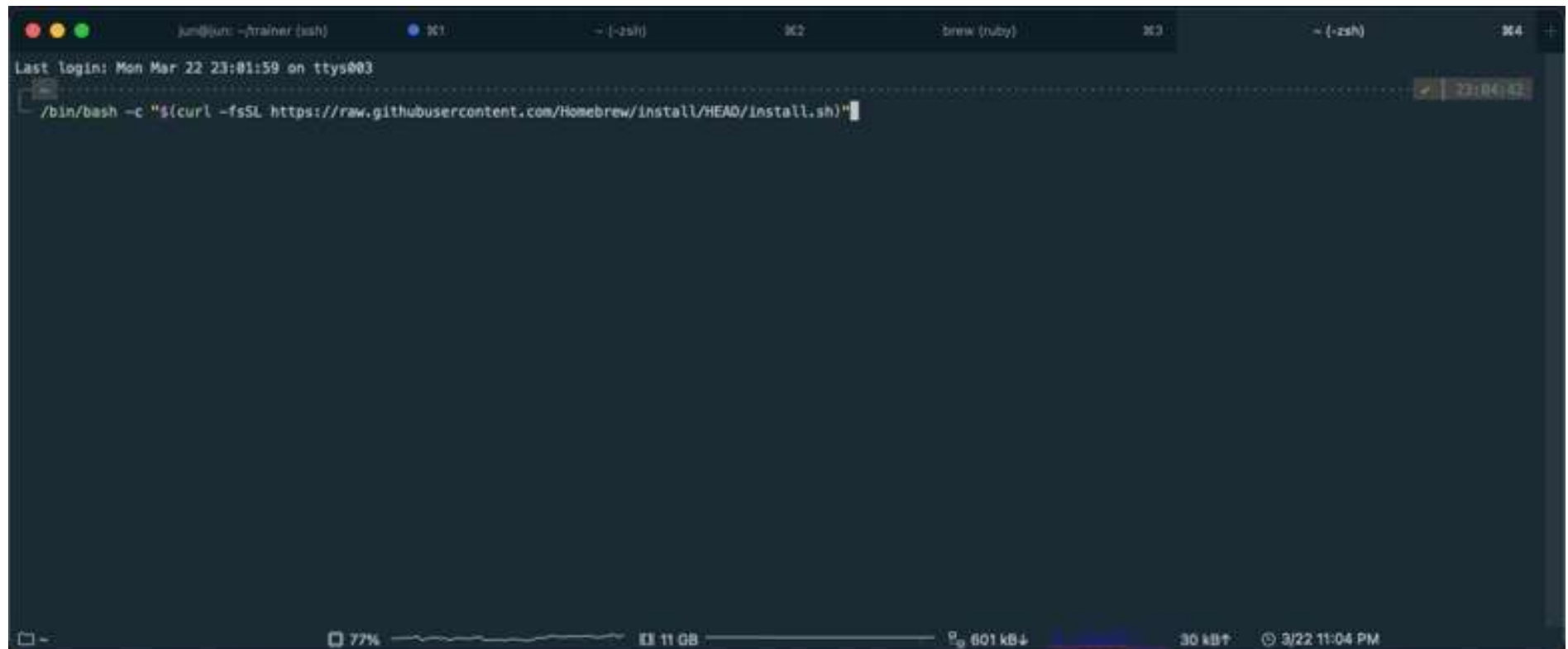


Jupyter Notebook

(Installation Guide)

For MacOS

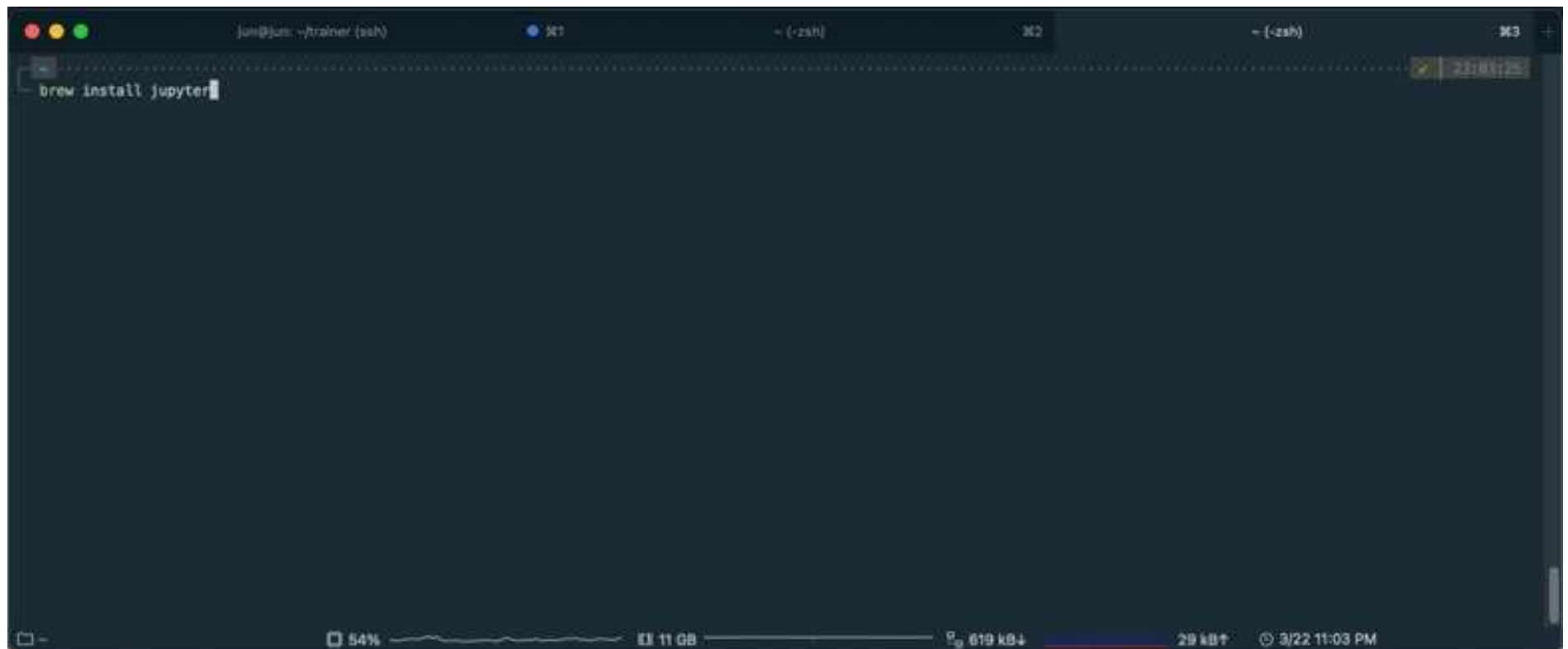
- Open Terminal
- brew install
/bin/bash -c "\$(curl -fsSL
<https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh>)"



A screenshot of a macOS Terminal window. The window has a dark background and a title bar with standard macOS window controls (red, yellow, green buttons) and a title "jun@jun: ~/trainer (ssh)". The terminal shows the command `/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"` being entered. The command is highlighted in yellow. The terminal also shows the output of the command, which is a series of dots and a confirmation message. The status bar at the bottom of the terminal shows the battery level at 77%, the time as 11:04 PM, and the date as 3/22.

For MacOS

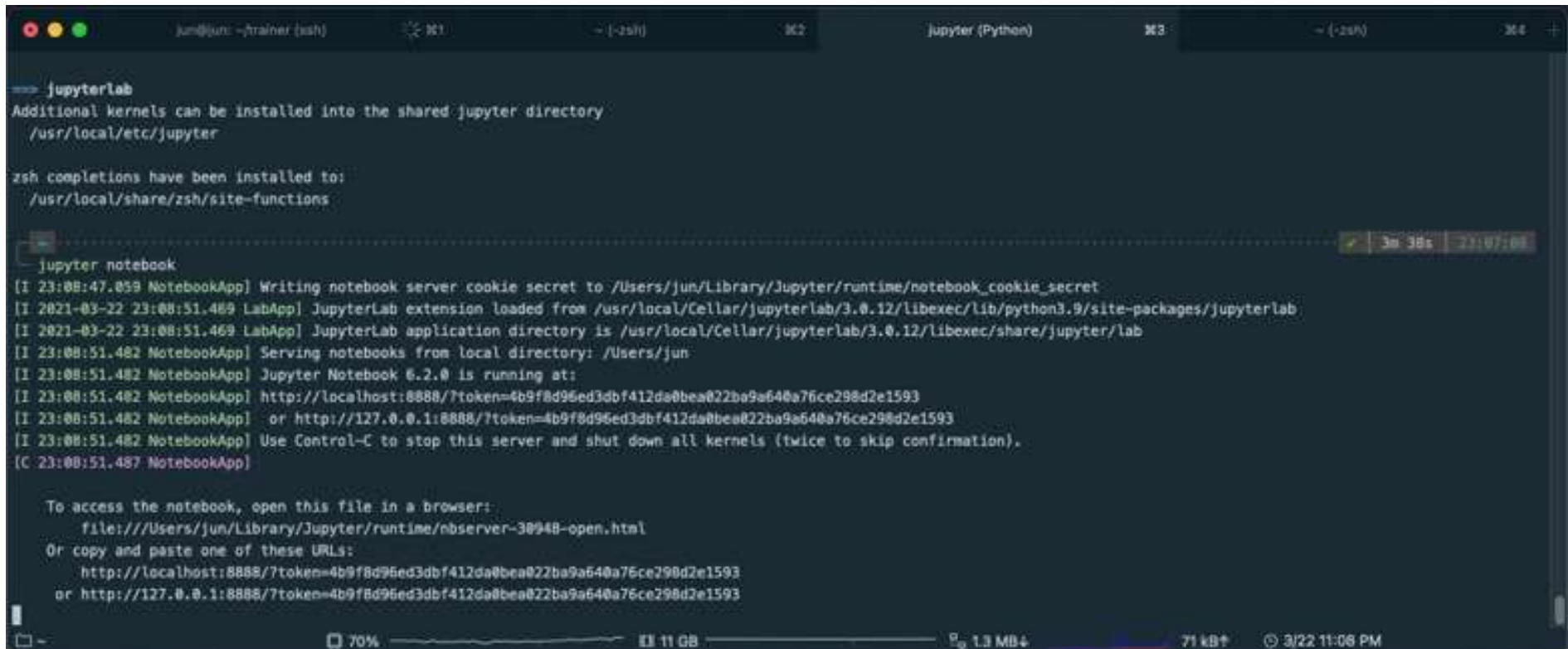
- `brew install jupyter`



A screenshot of a macOS terminal window. The window title bar shows standard macOS window controls (red, yellow, green buttons) and the text 'jon@jon: ~/trainer (ssh)'. The terminal has a dark background with a light-colored cursor. The command 'brew install jupyter' has been typed and is currently at the end of the line. The bottom of the window shows system status information: a battery icon at 54%, a memory icon at 11 GB, a network icon at 619 KB/s, a data transfer icon at 29 KB/s, and a clock showing 3/22 11:03 PM.

For MacOS

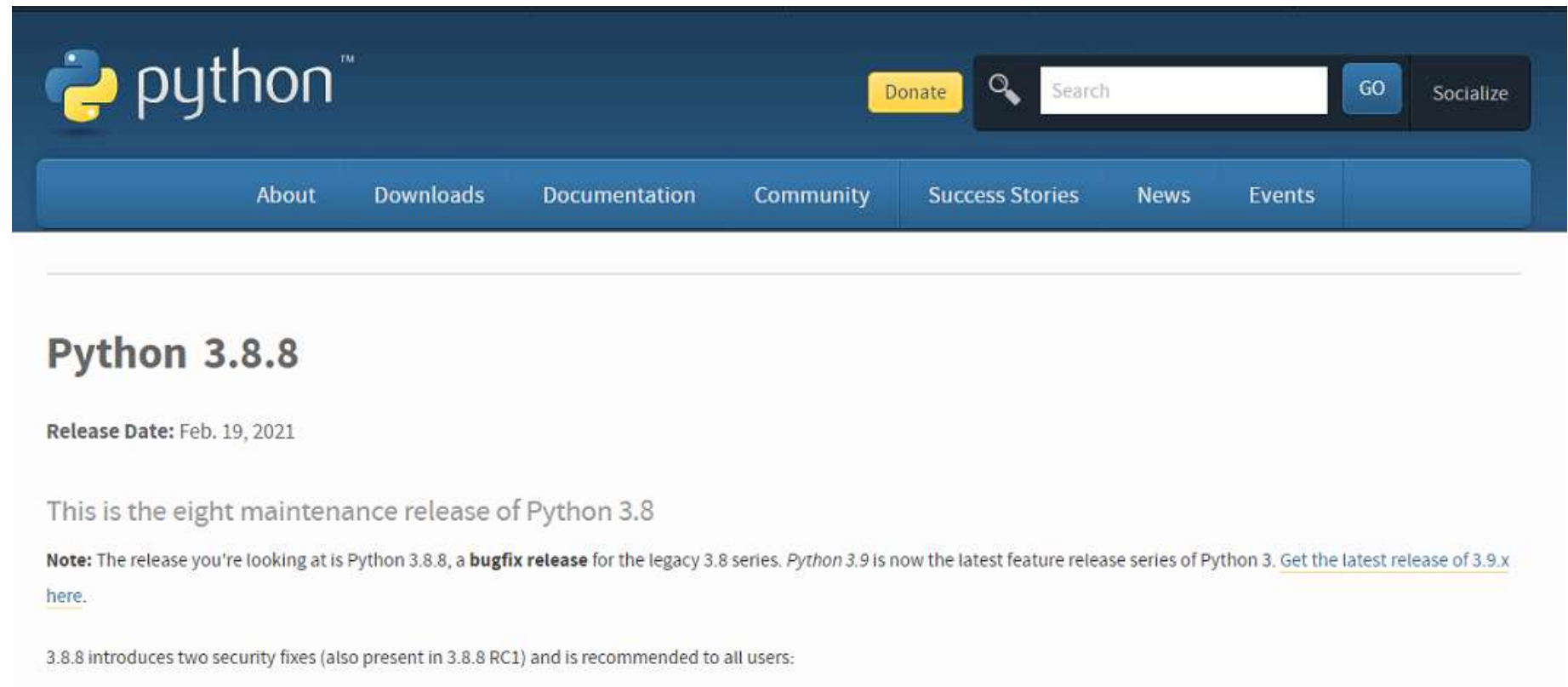
- Type 'jupyter notebook' in the directory with *.ipynb



```
jun@jun: ~/trainer (ssh) 101 ~ (~25%) 102 jupyter (Python) 103 ~ (~25%) 104 +  
  
==> jupyterlab  
Additional kernels can be installed into the shared jupyter directory  
/usr/local/etc/jupyter  
  
zsh completions have been installed to:  
/usr/local/share/zsh/site-functions  
  
----- 3m 38s 23:07:08  
- jupyter notebook  
[I 23:08:47.059 NotebookApp] Writing notebook server cookie secret to /Users/jun/Library/Jupyter/runtime/notebook_cookie_secret  
[I 2021-03-22 23:08:51.469 LabApp] JupyterLab extension loaded from /usr/local/Cellar/jupyterlab/3.0.12/libexec/Lib/python3.9/site-packages/jupyterlab  
[I 2021-03-22 23:08:51.469 LabApp] JupyterLab application directory is /usr/local/Cellar/jupyterlab/3.0.12/libexec/share/jupyter/lab  
[I 23:08:51.482 NotebookApp] Serving notebooks from local directory: /Users/jun  
[I 23:08:51.482 NotebookApp] Jupyter Notebook 6.2.0 is running at:  
[I 23:08:51.482 NotebookApp] http://localhost:8888/?token=4b9f8d96ed3dbf412da0bea022ba9a640a76ce298d2e1593  
[I 23:08:51.482 NotebookApp] or http://127.0.0.1:8888/?token=4b9f8d96ed3dbf412da0bea022ba9a640a76ce298d2e1593  
[I 23:08:51.482 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).  
[C 23:08:51.487 NotebookApp]  
  
To access the notebook, open this file in a browser:  
file:///Users/jun/Library/Jupyter/runtime/nbserver-30948-open.html  
Or copy and paste one of these URLs:  
http://localhost:8888/?token=4b9f8d96ed3dbf412da0bea022ba9a640a76ce298d2e1593  
or http://127.0.0.1:8888/?token=4b9f8d96ed3dbf412da0bea022ba9a640a76ce298d2e1593  
  
70% 11 GB 1.3 MB+ 71 kB+ 3/22 11:08 PM
```

For Windows

- <https://www.python.org/downloads/>



The screenshot shows the Python.org website. The header features the Python logo, a 'Donate' button, a search bar with a 'GO' button, and a 'Socialize' button. Below the header is a navigation bar with links: 'About', 'Downloads', 'Documentation', 'Community', 'Success Stories', 'News', and 'Events'. The main content area is titled 'Python 3.8.8' and includes the release date 'Feb. 19, 2021'. It states that this is the eighth maintenance release of Python 3.8. A note mentions that Python 3.8.8 is a bugfix release for the legacy 3.8 series, and that Python 3.9 is now the latest feature release series. A link is provided to 'Get the latest release of 3.9.x here'. At the bottom, it states that 3.8.8 introduces two security fixes (also present in 3.8.8 RC1) and is recommended to all users.

Python 3.8.8

Release Date: Feb. 19, 2021

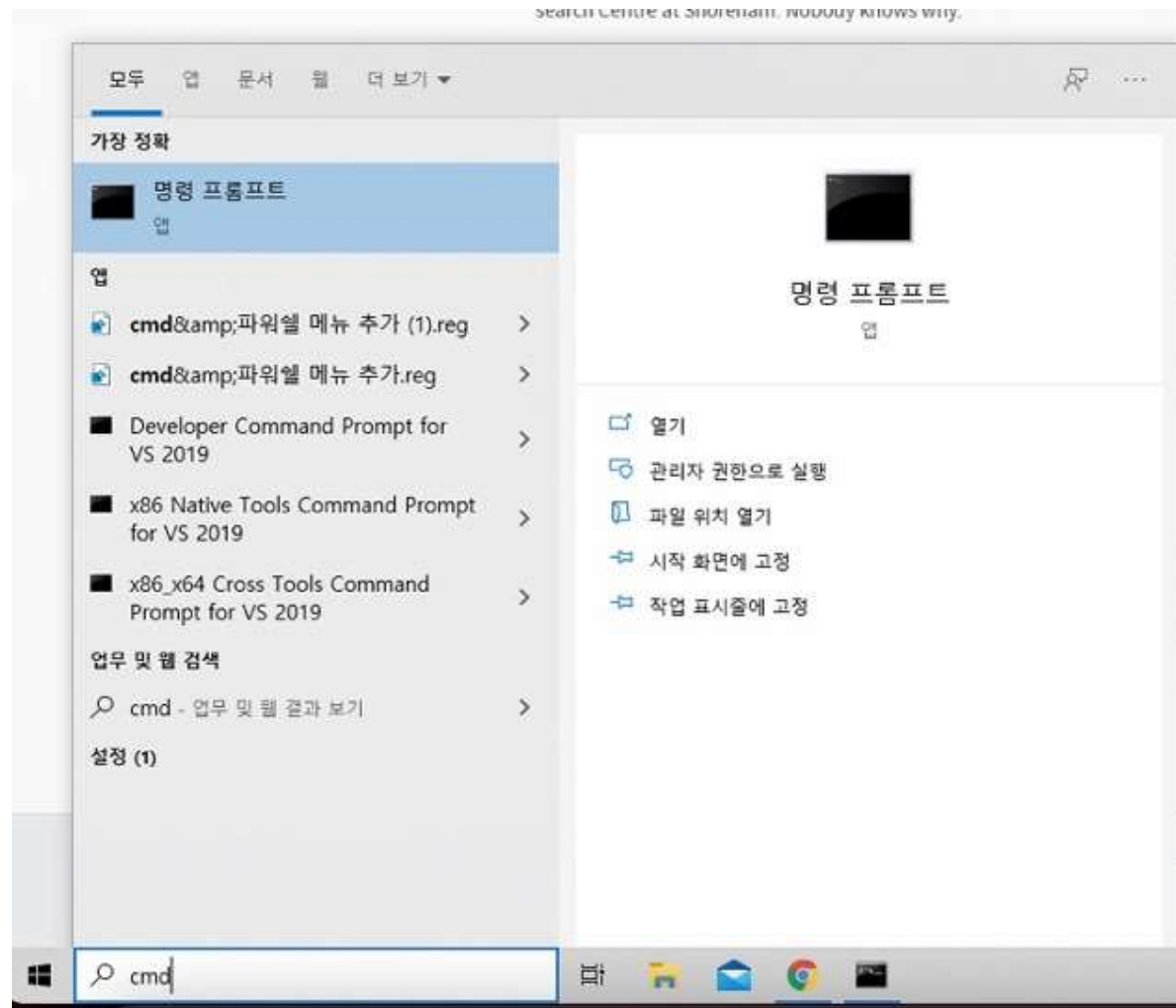
This is the eight maintenance release of Python 3.8

Note: The release you're looking at is Python 3.8.8, a **bugfix release** for the legacy 3.8 series. *Python 3.9* is now the latest feature release series of Python 3. [Get the latest release of 3.9.x here.](#)

3.8.8 introduces two security fixes (also present in 3.8.8 RC1) and is recommended to all users:

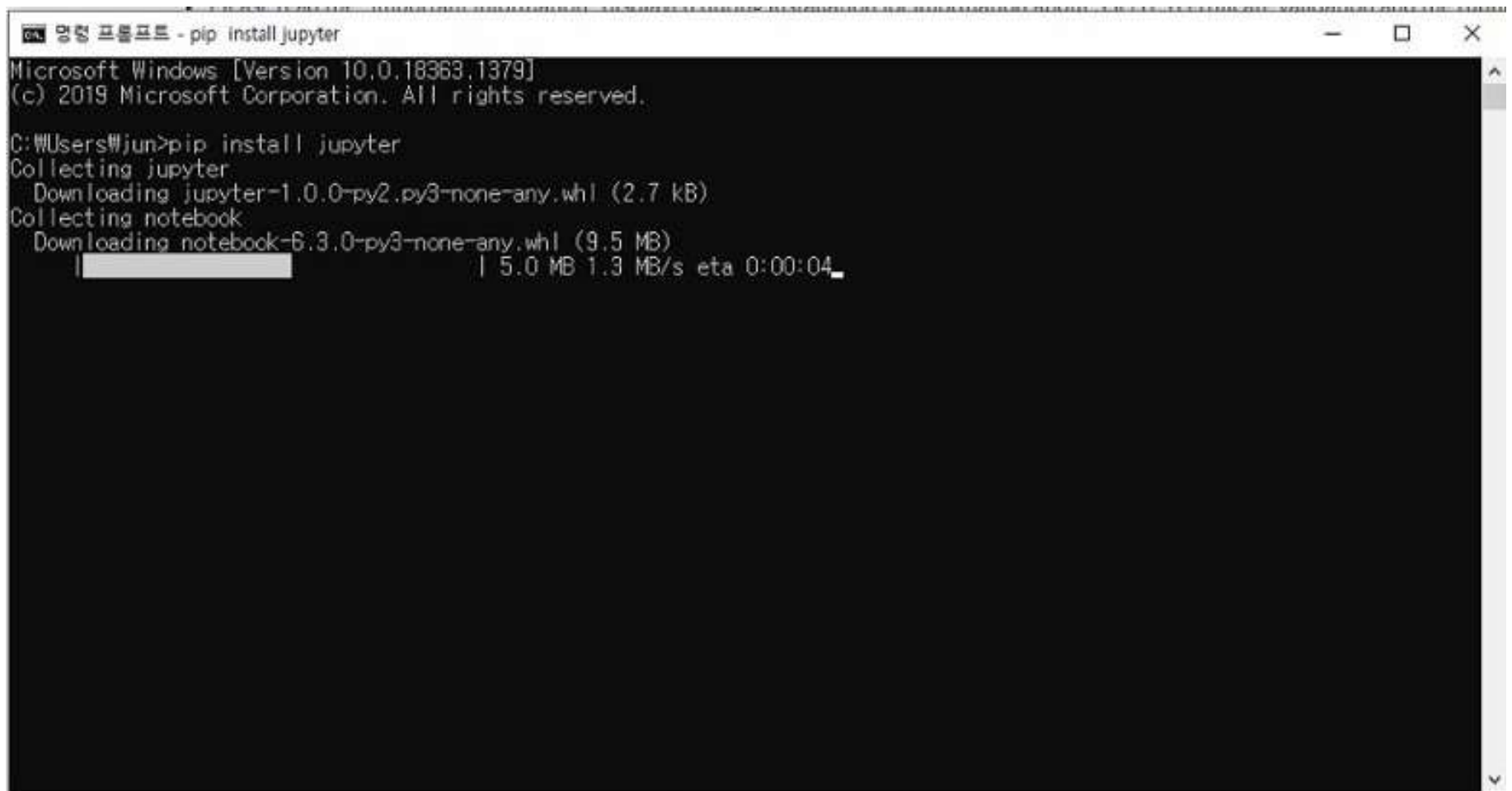
For Windows

■ Open CMD window



For Windows

- `pip install jupyter`



```
명형 프로그래밍 - pip install jupyter
Microsoft Windows [Version 10.0.18363.1379]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Wjun>pip install jupyter
Collecting jupyter
  Downloading jupyter-1.0.0-py2.py3-none-any.whl (2.7 kB)
Collecting notebook
  Downloading notebook-6.3.0-py3-none-any.whl (9.5 MB)
    | 5.0 MB 1.3 MB/s eta 0:00:04
```

For Windows

- Type 'jupyter notebook' in the directory with *.ipynb

```
명령 프롬프트 - jupyter notebook
testpath, jupyterlab-pygments, entrypoints, async-generator, nbclient, pyparsing, packaging, webencodings, bleach, nbconv
ert, Send2Trash, prometheus-client, notebook, widgetsnbextension, jupyterlab-widgets, ipywidgets, qtpy, qtconsole, jupyt
er-console, jupyter
Successfully installed MarkupSafe-1.1.1 Send2Trash-1.5.0 async-generator-1.10 backcall-0.2.0 bleach-3.3.0 colorama-0.4.4
decorator-4.4.2 defusedxml-0.7.1 entrypoints-0.3 ipykernel-5.5.0 ipython-7.21.0 ipywidgets-7.6.3 jedi-0.18.0 jinja2-2.1
1.3 jupyter-1.0.0 jupyter-client-6.1.12 jupyter-console-6.3.0 jupyterlab-pygments-0.1.2 jupyterlab-widgets-1.0.0 nbclie
nt-0.5.3 nbconvert-6.0.7 nbformat-5.1.2 notebook-6.3.0 packaging-20.9 parso-0.8.1 pickleshare-0.7.5 prometheus-client-0.9
.0 prompt-toolkit-3.0.18 pygments-2.8.1 pyparsing-2.4.7 python-dateutil-2.8.1 pywinpty-0.5.7 qtconsole-5.0.3 qtpy-1.9.0
terminado-0.9.3 testpath-0.4.4 wcwidth-0.2.5 webencodings-0.5.1 widgetsnbextension-3.5.1
WARNING: You are using pip version 20.2.3; however, version 21.0.1 is available.
You should consider upgrading via the 'c:\Users\jun\AppData\Local\Programs\Python\Python38\python.exe -m pip install --u
pgrade pip' command.

C:\Users\jun>jupyter notebook
[I 12:17:48.284 NotebookApp] Writing notebook server cookie secret to C:\Users\jun\AppData\Roaming\jupyter\runtime\noteb
ook_cookie_secret
[I 12:17:49.075 NotebookApp] Serving notebooks from local directory: C:\Users\jun
[I 12:17:49.076 NotebookApp] Jupyter Notebook 6.3.0 is running at:
[I 12:17:49.076 NotebookApp] http://localhost:8888/?token=dade6b816446bf0f0a4a542d78f71526f2374f35de7eba80
[I 12:17:49.076 NotebookApp] or http://127.0.0.1:8888/?token=dade6b816446bf0f0a4a542d78f71526f2374f35de7eba80
[I 12:17:49.076 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 12:17:49.150 NotebookApp]

To access the notebook, open this file in a browser:
    file:///C:/Users/jun/AppData/Roaming/jupyter/runtime/nbserver-1292-open.html
Or copy and paste one of these URLs:
    http://localhost:8888/?token=dade6b816446bf0f0a4a542d78f71526f2374f35de7eba80
    or http://127.0.0.1:8888/?token=dade6b816446bf0f0a4a542d78f71526f2374f35de7eba80
```


Running the Notebook

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