

VSCode & Python Installation Walkthrough

A Step-by-Step Guide for macOS



VS Code

1. Goto: <https://code.visualstudio.com/download>
2. Download VS Code for Mac



Safari File Edit View History Bookmarks Window Help

code.visualstudio.com

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Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.

 Windows
Windows 10, 11

 .deb
Debian, Ubuntu

 .rpm
Red Hat, Fedora, SUSE

 Mac
macOS 11.0+

User Installer x64 Arm64 .deb x64 Arm32 Arm64 .zip intel chip Apple silicon Universal
System x64 Arm64 .rpm x64 Arm32 Arm64 .tar.gz x64 Arm32 Arm64 CLI intel chip Apple silicon
Installer .zip x64 Arm64 Snap Snap Store
CLI x64 Arm64 CLI x64 Arm32 Arm64

By downloading and using Visual Studio Code, you agree to the [license terms](#) and [privacy statement](#).

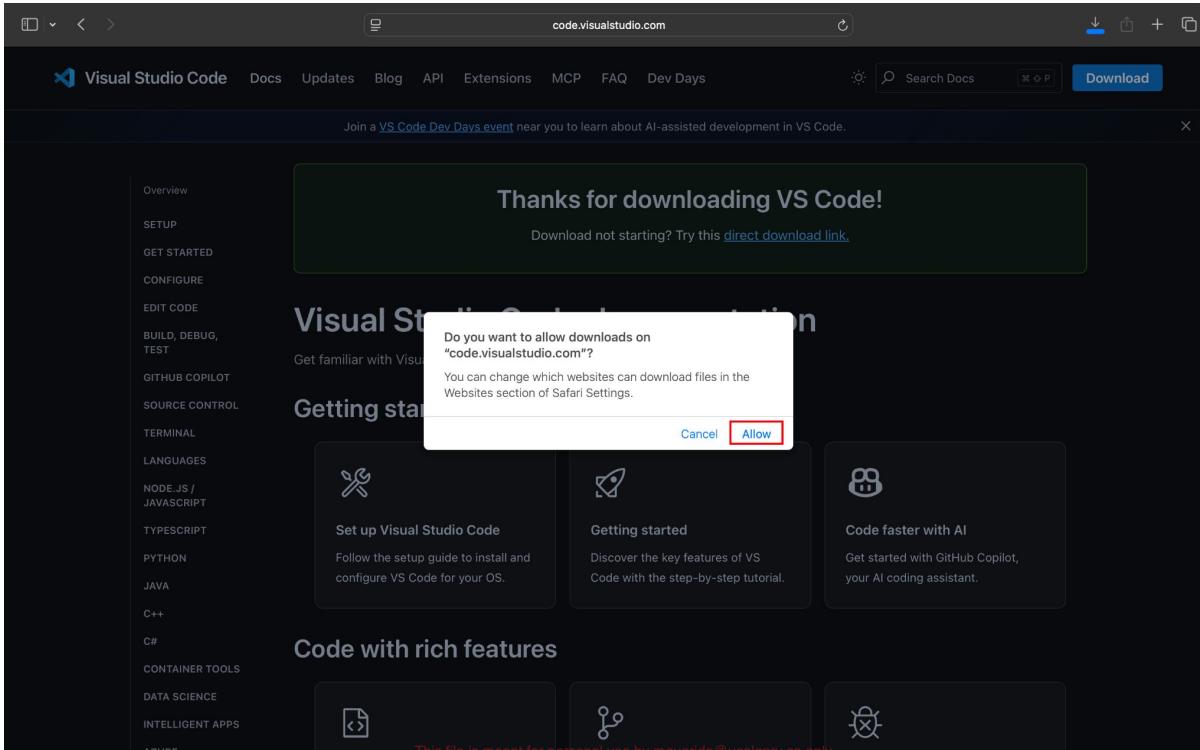
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Use vscode.dev for quick

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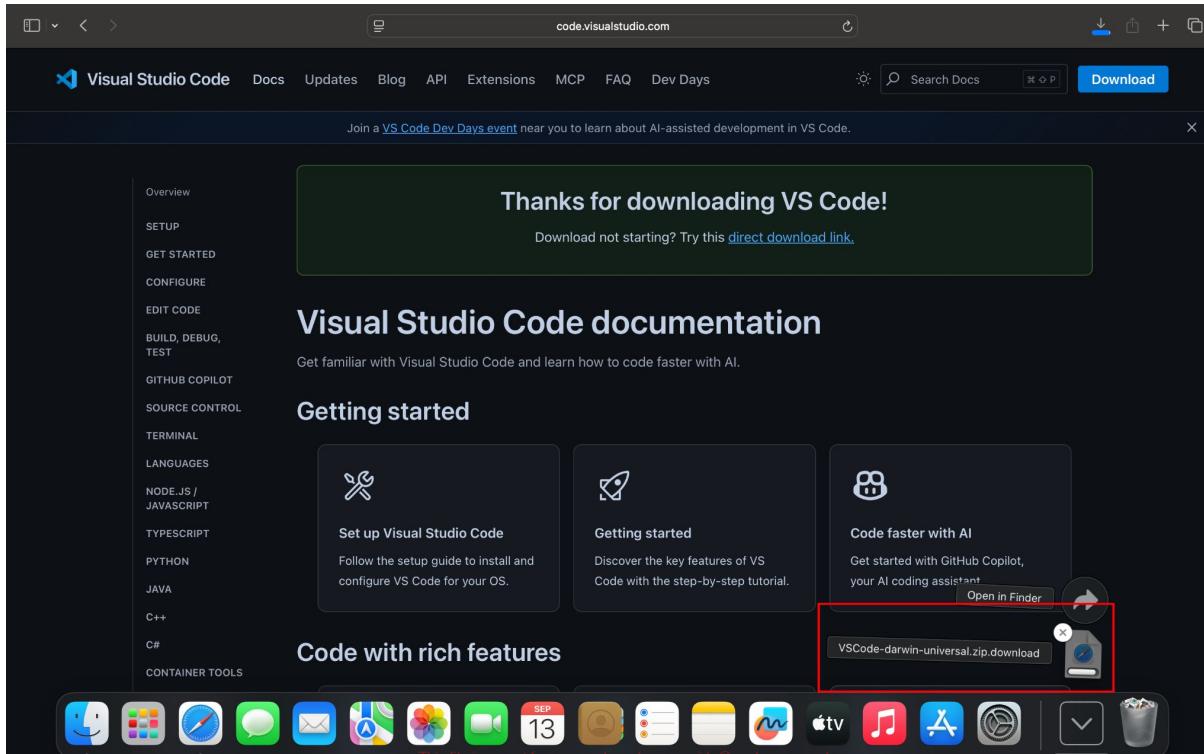
VS Code

1. Grant permission to download



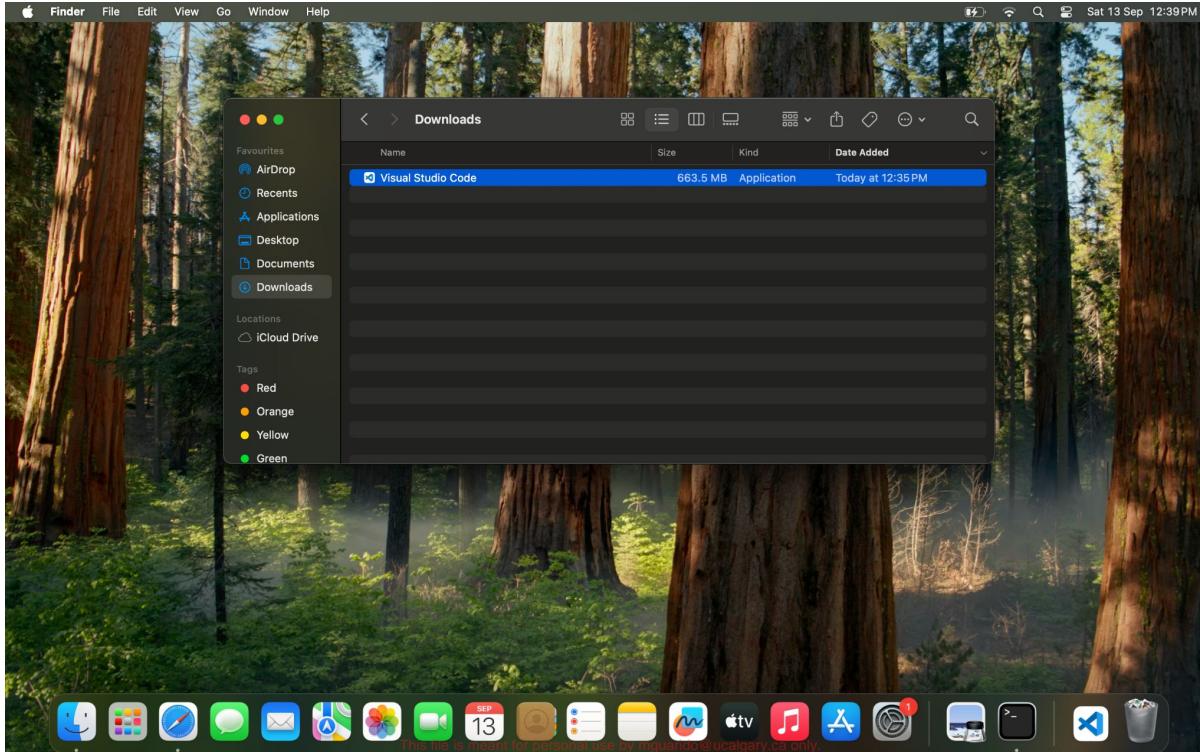
VS Code

1. Download will start once permission is granted.
2. Status shown for Safari; position may vary in other browsers.



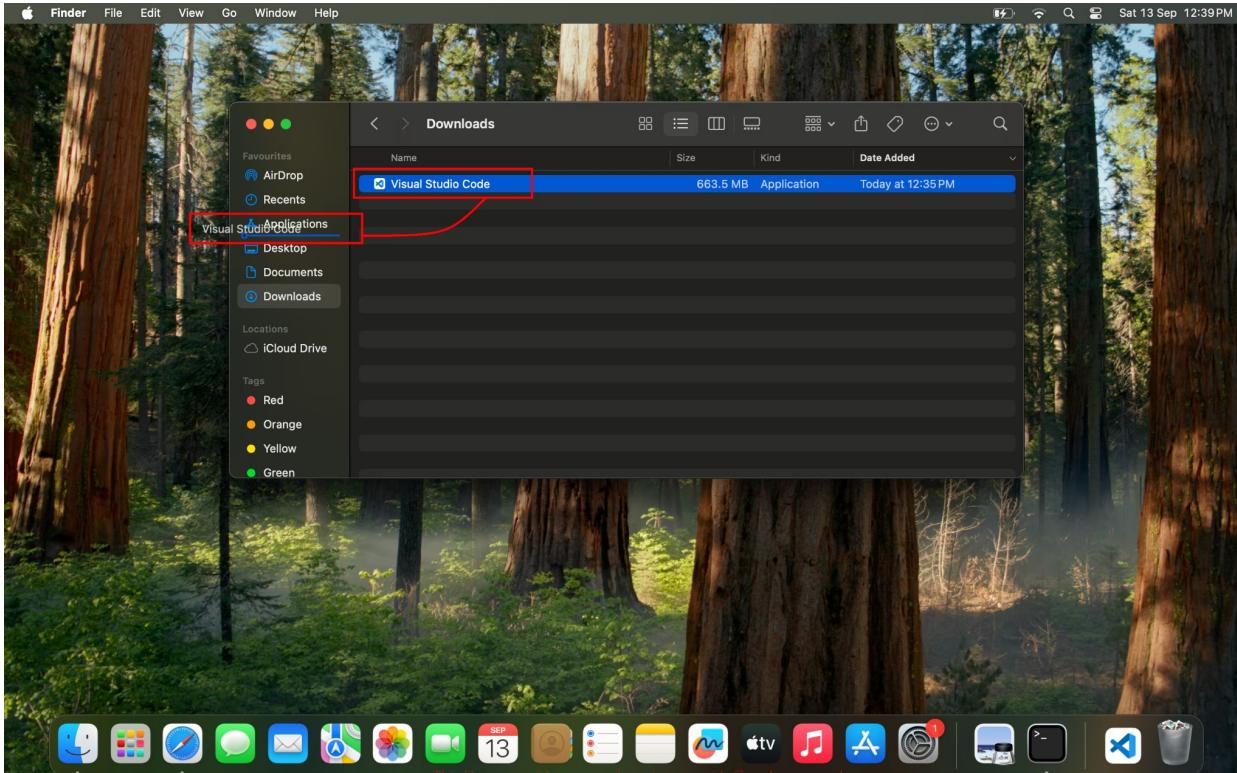
VS Code

- Once the download is complete, check Finder's Downloads for the VS Code app.



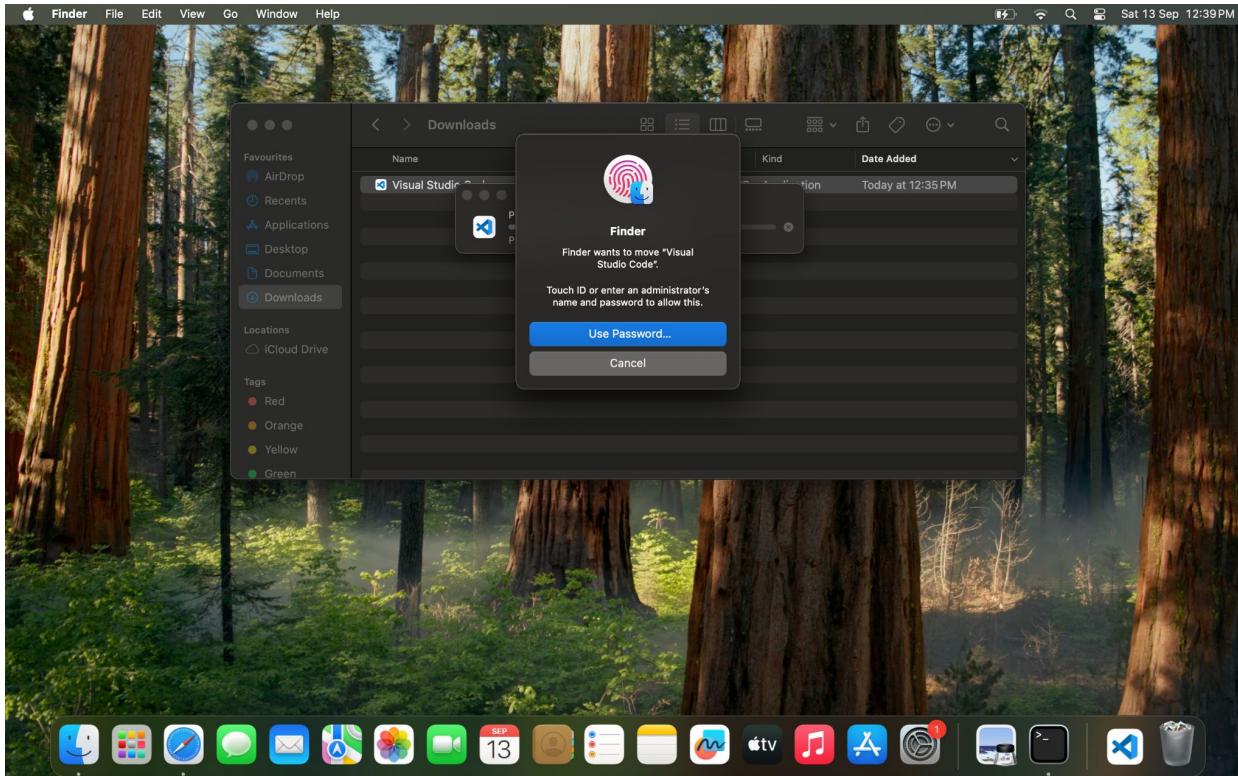
VS Code

1. Drag the VS Code app to Applications' location.



VS Code

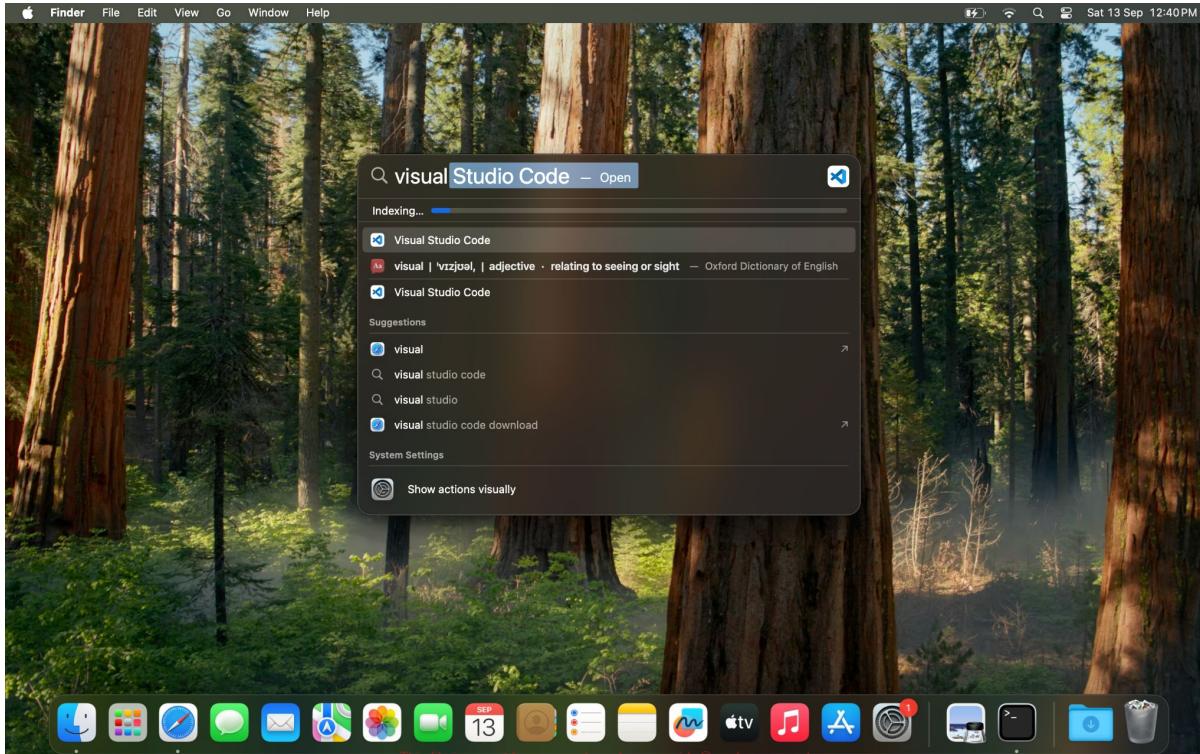
1. Use Touch ID/Password to authorize the transfer



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VS Code

1. Verify installation using Spotlight (Command ⌘ + Space) by typing ‘Visual’; if installed, Visual Studio Code will appear in the suggestions.



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Python

1. Goto: <https://www.python.org/downloads/macos/>
2. Download the latest Stable Release installer.



The screenshot shows the Python website's 'Downloads' page specifically for macOS. The URL in the browser is <https://www.python.org/downloads/macos/>. The page title is 'Python Releases for macOS'. On the left, under 'Stable Releases', there is a list of Python versions with their release dates and download links. The link for 'Python 3.13.7 - Aug. 14, 2025' is highlighted with a red box. On the right, under 'Pre-releases', there is a list of Python versions with their release dates and download links. The link for 'Python 3.14.0rc2 - Aug. 14, 2025' is also highlighted with a red box. At the bottom of the page, there is a note: 'This file is meant for personal use by mguarido@ucalgary.ca only.'

python.org

Python

Downloads for macOS

Latest Python 3 Release - Python 3.13.7

Stable Releases

- Python 3.13.7 - Aug. 14, 2025
 - Download macOS 64-bit universal2 installer
- Python 3.13.6 - Aug. 6, 2025
 - Download macOS 64-bit universal2 installer
- Python 3.13.5 - June 11, 2025
 - Download macOS 64-bit universal2 installer
- Python 3.13.4 - June 3, 2025
 - Download macOS 64-bit universal2 installer
- Python 3.13.3 - April 8, 2025
 - Download macOS 64-bit universal2 installer
- Python 3.12.10 - April 8, 2025
 - Download macOS 64-bit universal2 installer

Pre-releases

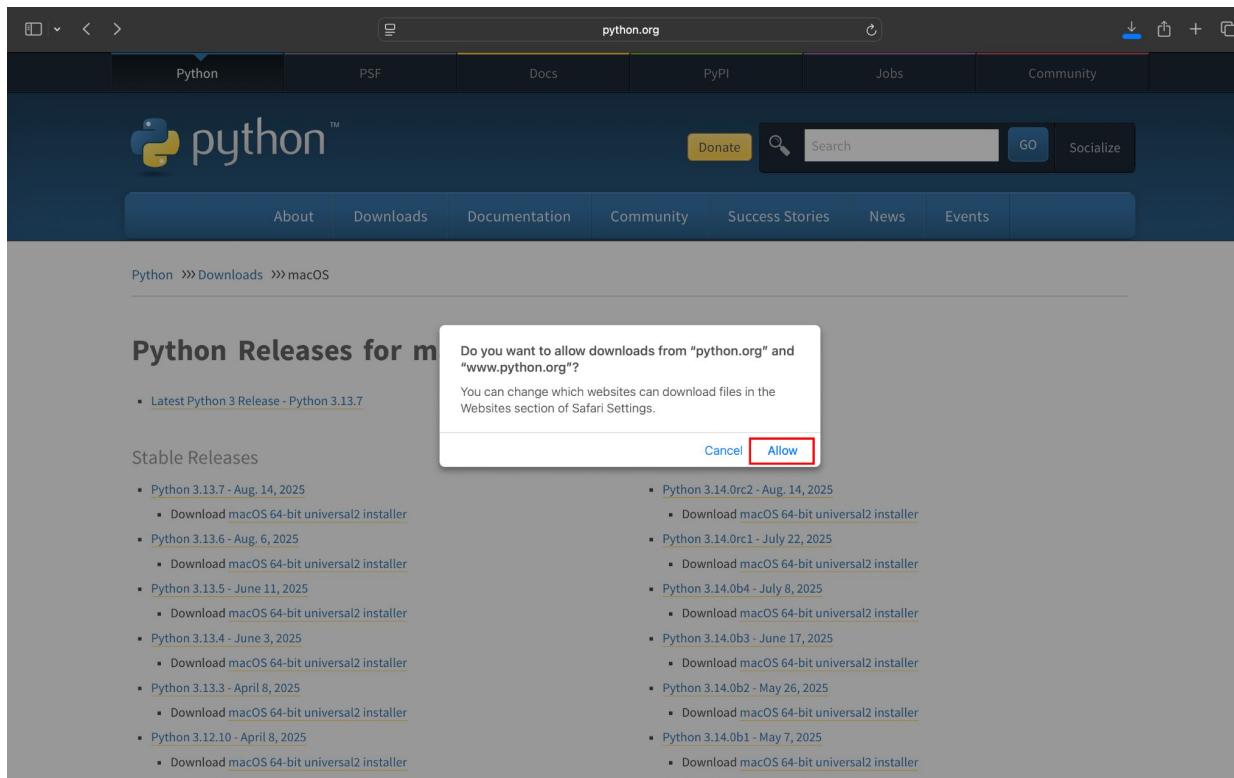
- Python 3.14.0rc2 - Aug. 14, 2025
 - Download macOS 64-bit universal2 installer
- Python 3.14.0rc1 - July 22, 2025
 - Download macOS 64-bit universal2 installer
- Python 3.14.0b4 - July 8, 2025
 - Download macOS 64-bit universal2 installer
- Python 3.14.0b3 - June 17, 2025
 - Download macOS 64-bit universal2 installer
- Python 3.14.0b2 - May 26, 2025
 - Download macOS 64-bit universal2 installer
- Python 3.14.0b1 - May 7, 2025
 - Download macOS 64-bit universal2 installer

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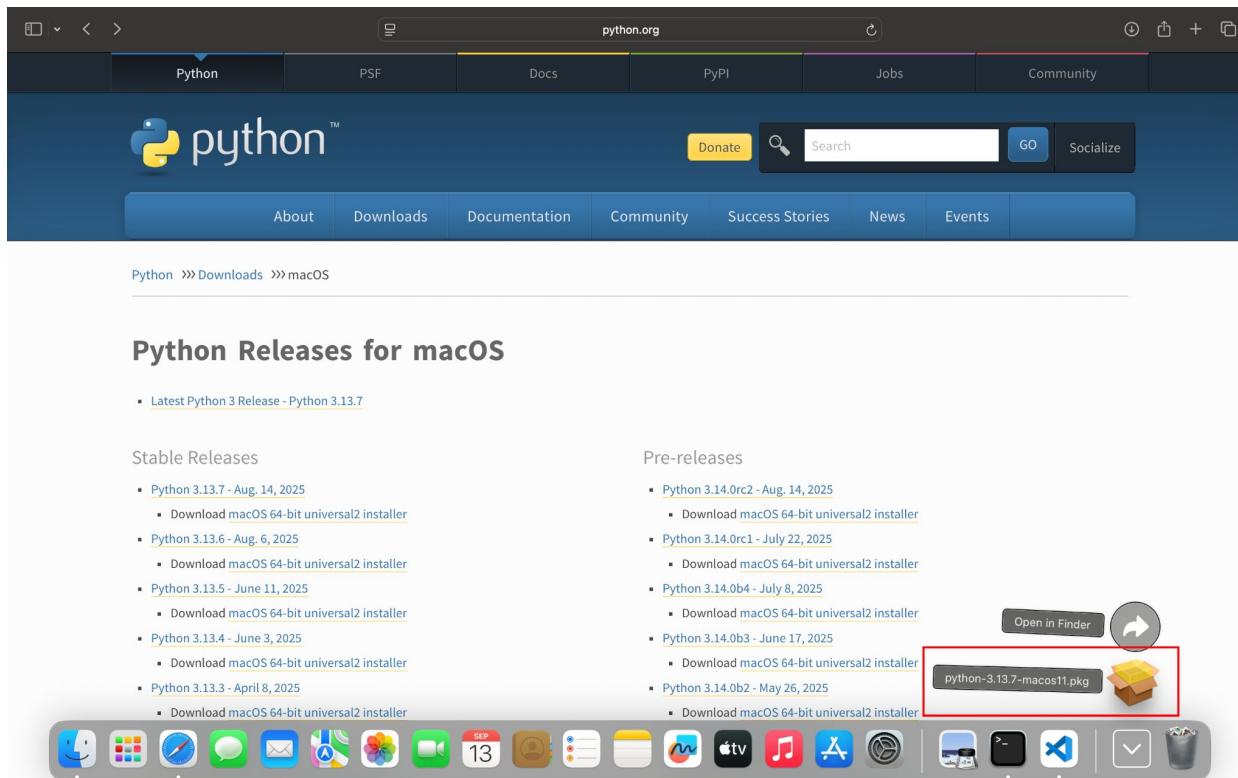
Python

1. Grant the permission to download via Allow button.



Python

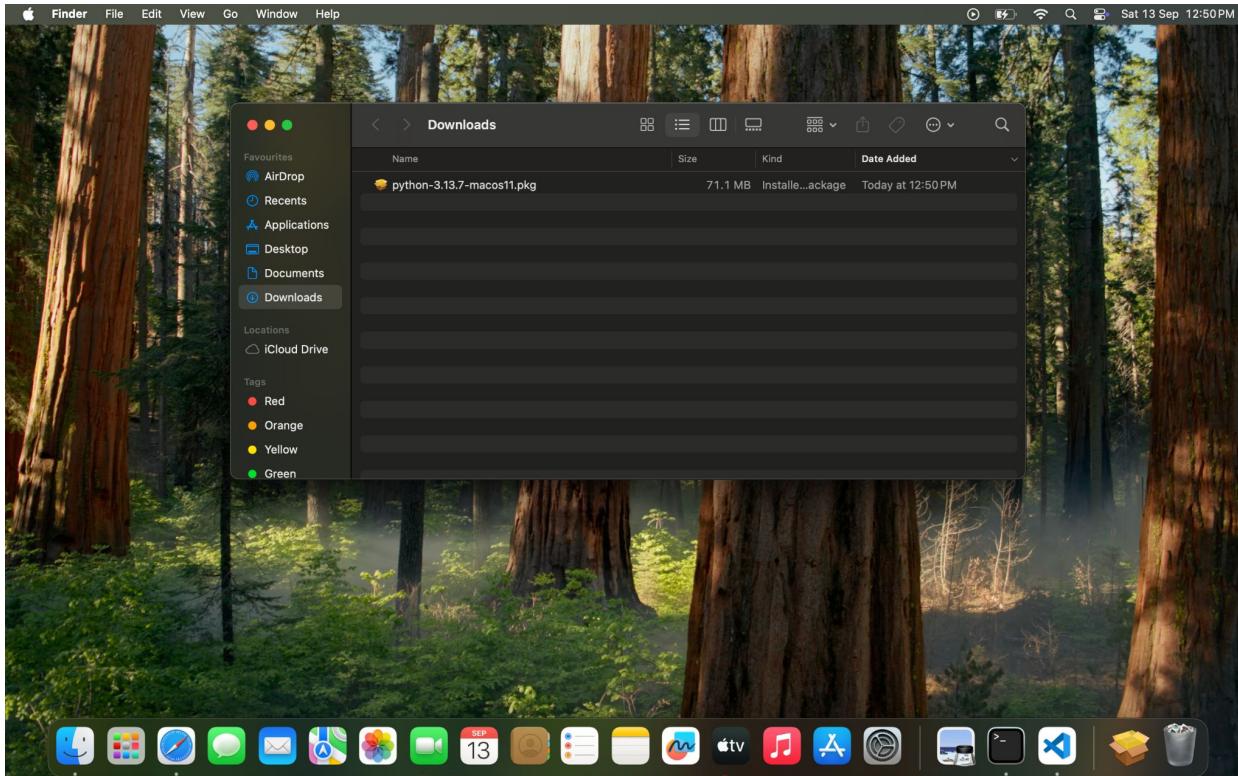
1. Download will start once permission is granted.
2. Status shown for Safari; position may vary in other browsers.



The screenshot shows a Mac desktop with a dark-themed browser window open to the Python.org website. The address bar says "python.org". The main navigation menu includes "Python", "PSF", "Docs", "PyPI" (which is highlighted), "Jobs", "Community", "About", "Downloads", "Documentation", "Community", "Success Stories", "News", and "Events". Below the menu, there's a search bar with a magnifying glass icon and a "GO" button. A "Socialize" button is also present. The main content area is titled "Python Releases for macOS". It lists "Stable Releases" and "Pre-releases" with their respective download links. At the bottom of the page, there's a note: "This file is meant for personal use by Inguardo@calgary.ca only." The desktop dock at the bottom shows various application icons, and a file named "python-3.13.7-macos11.pkg" is visible in the Dock, with a red box highlighting it. A "Open in Finder" button is also visible next to the file icon.

Python

- Once the download is complete, check Finder's Downloads for the Python installer pkg.

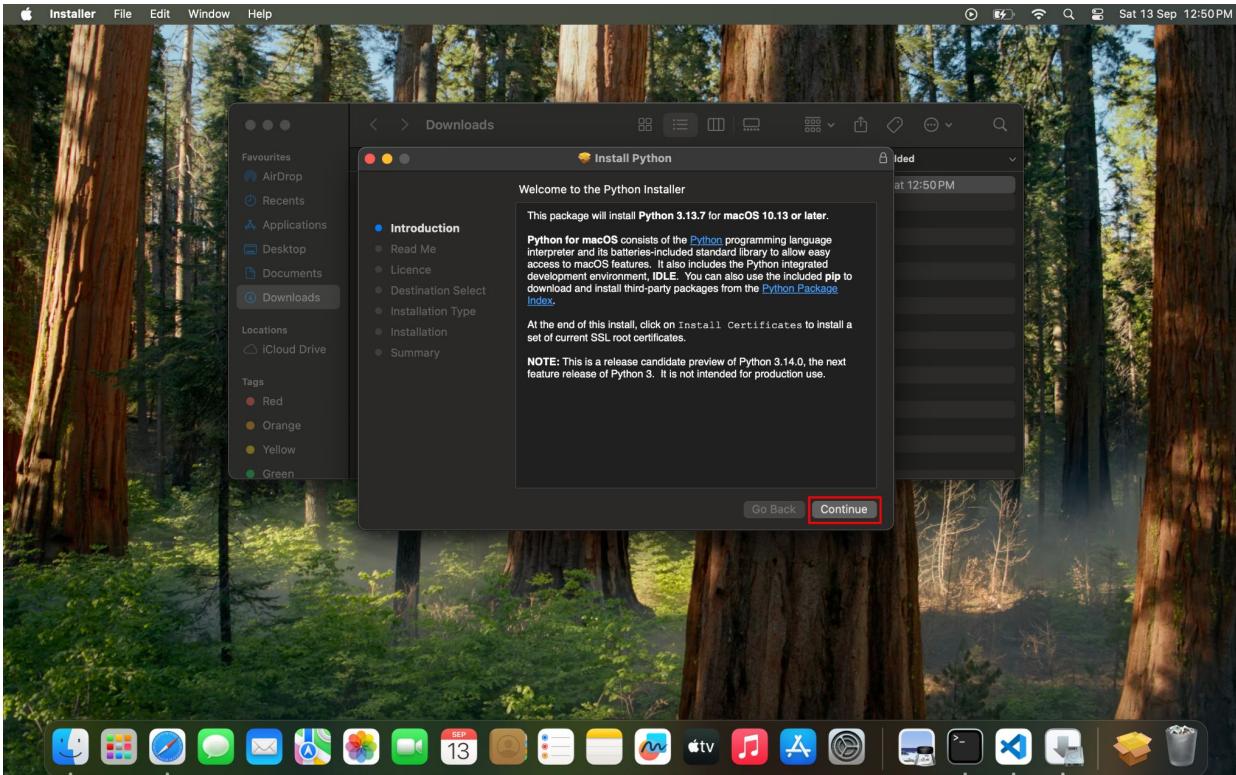


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Python

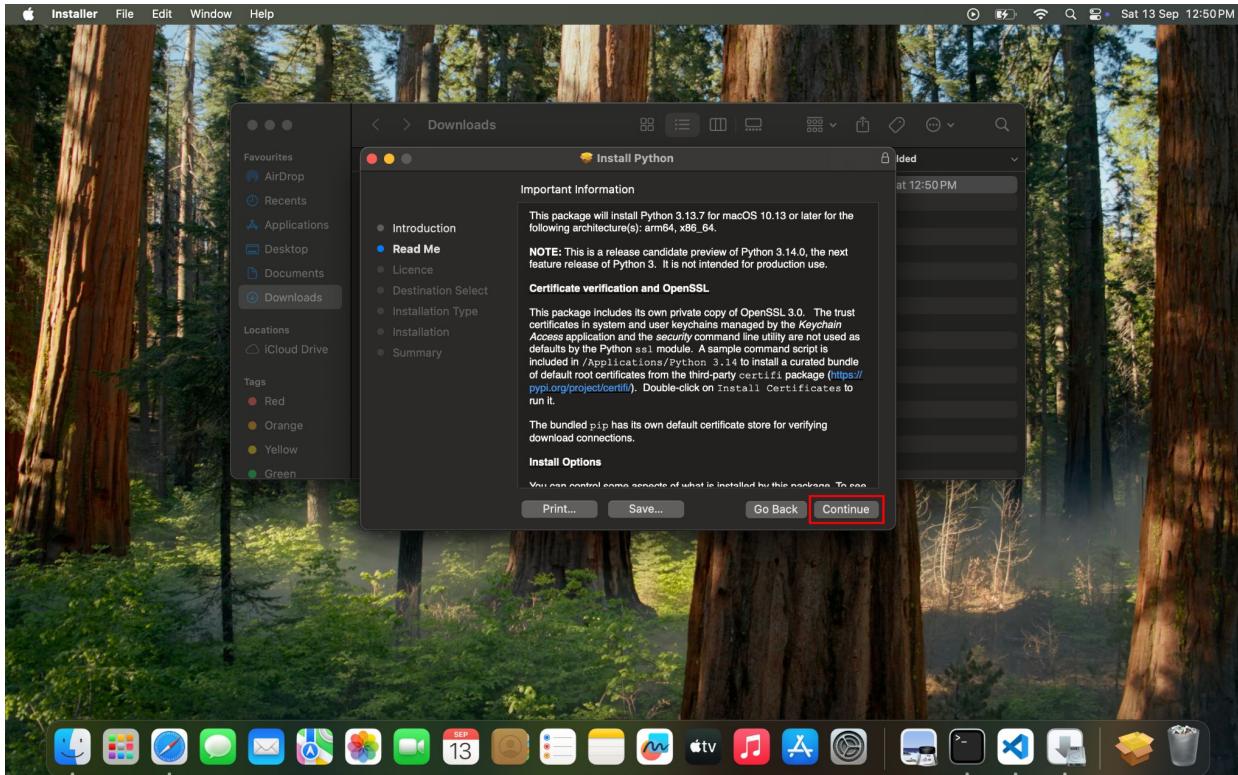
1. Double click the installer to open the installation window.
2. Once into the installation window, click “**Continue**”



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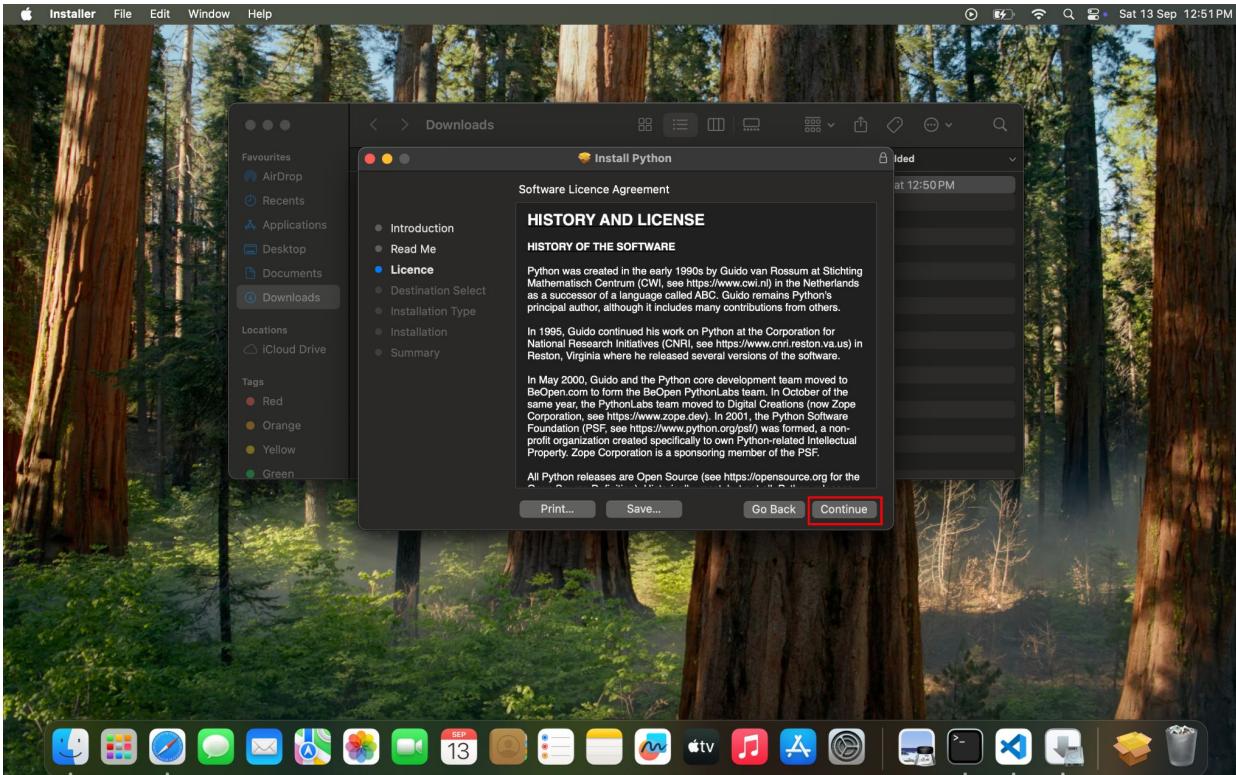
Python

1. Click on the “Continue” in the readme section.



Python

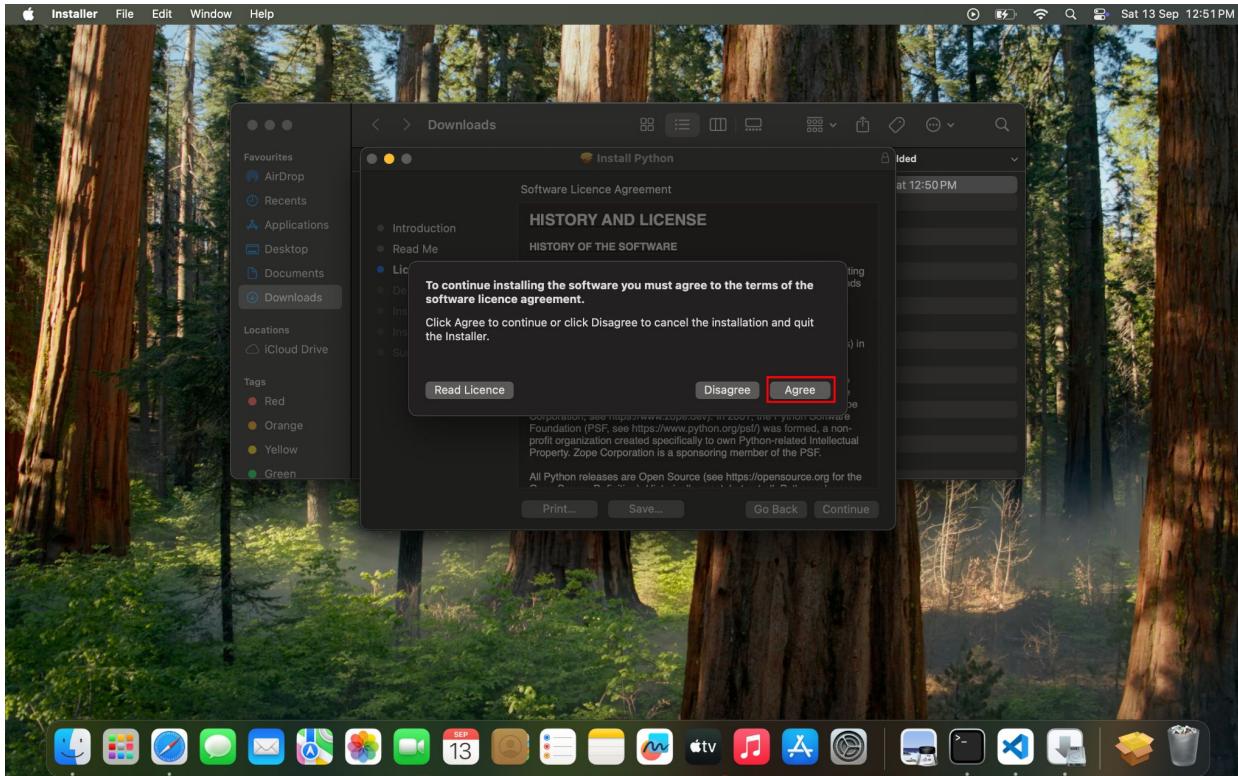
1. Click on “Continue”.



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Python

1. Click on “Continue” in the Terms and Conditions Section.

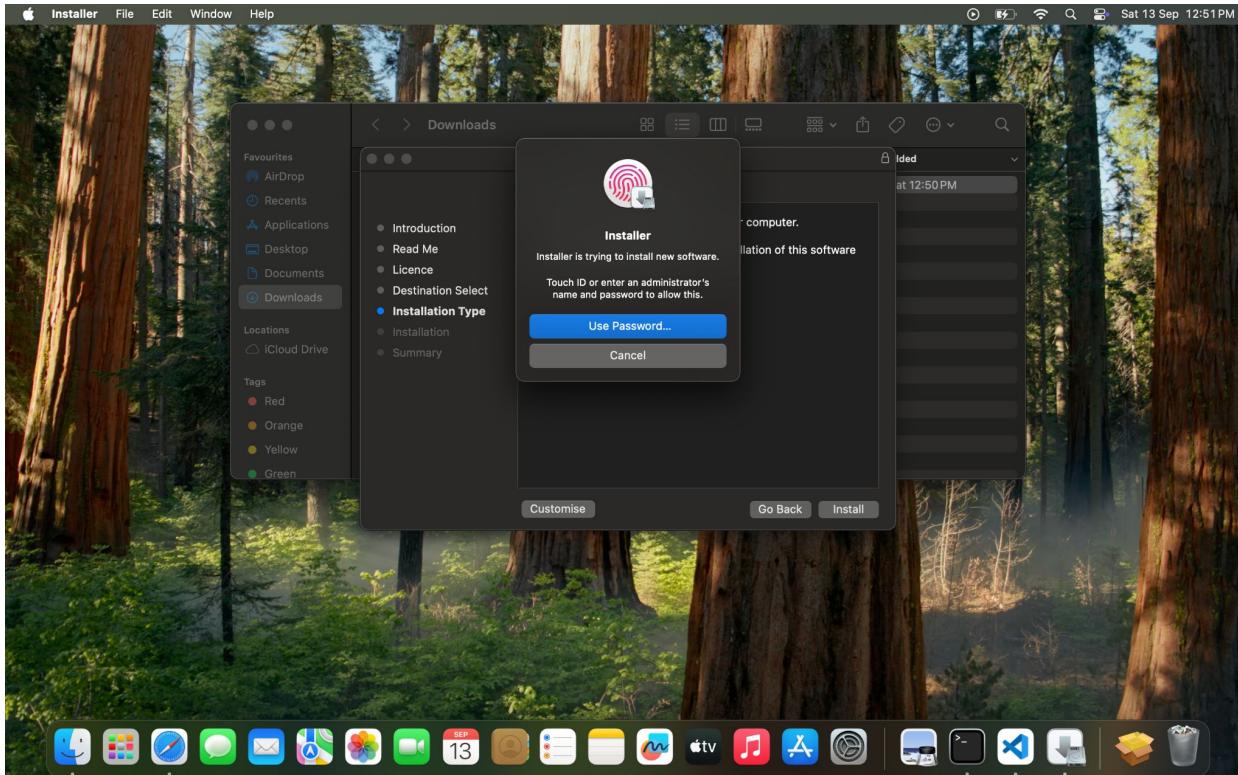


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Python

1. Authorize installation with your Touch ID/Password.

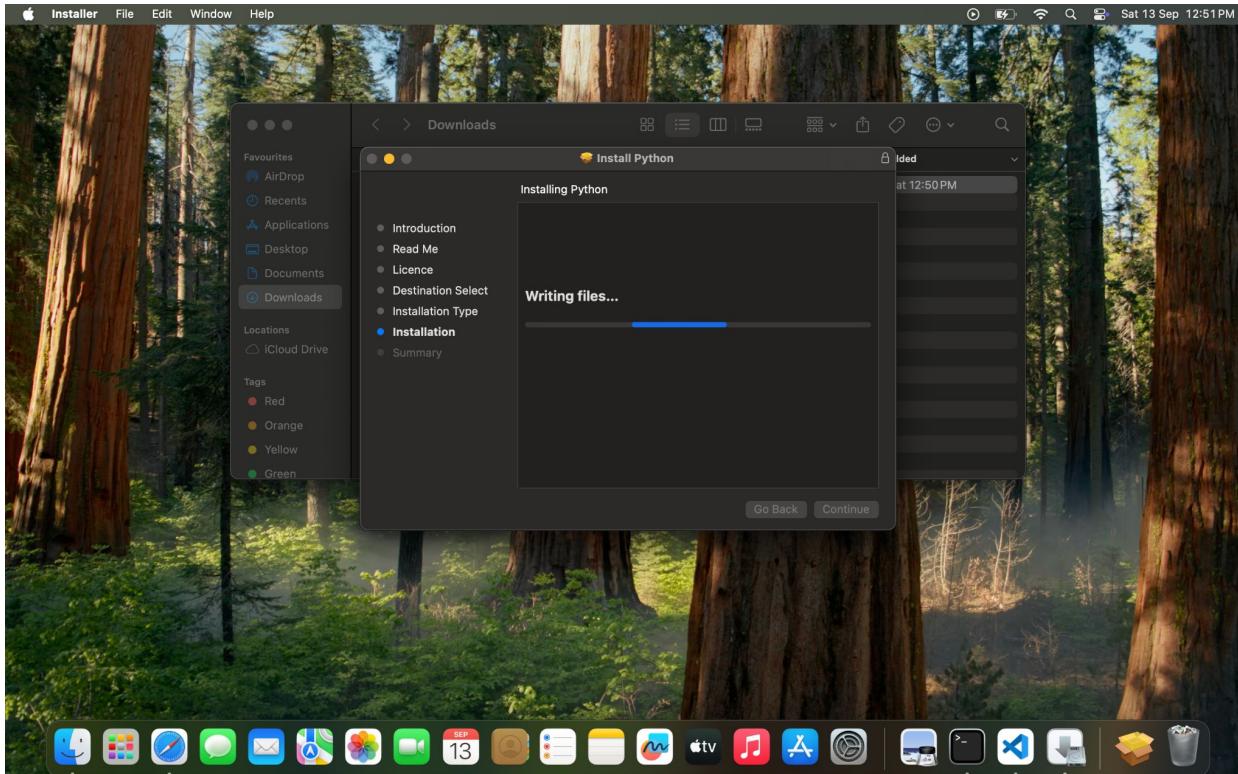


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Python

1. The installer will write files to your machine. Please wait until the process is complete

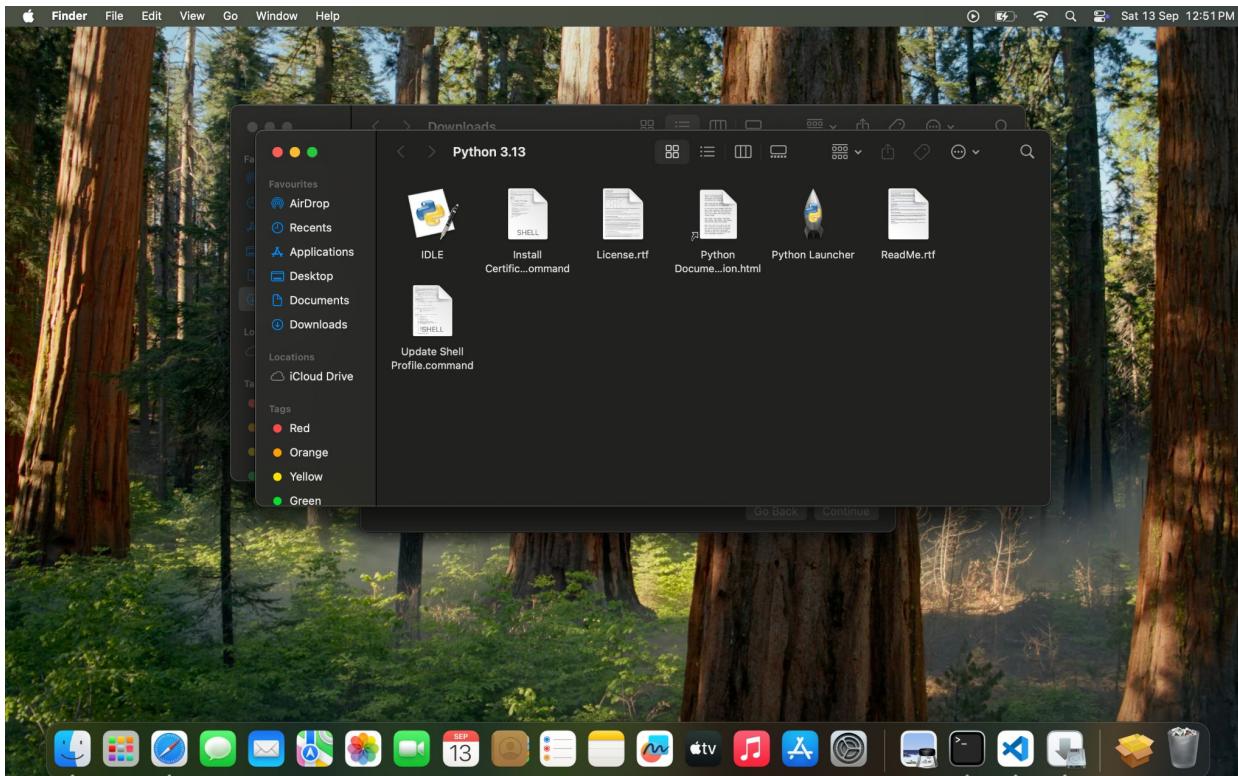


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Python

1. A window will open displaying the installation folder and its contents.
2. Close this window, come back to the installer.

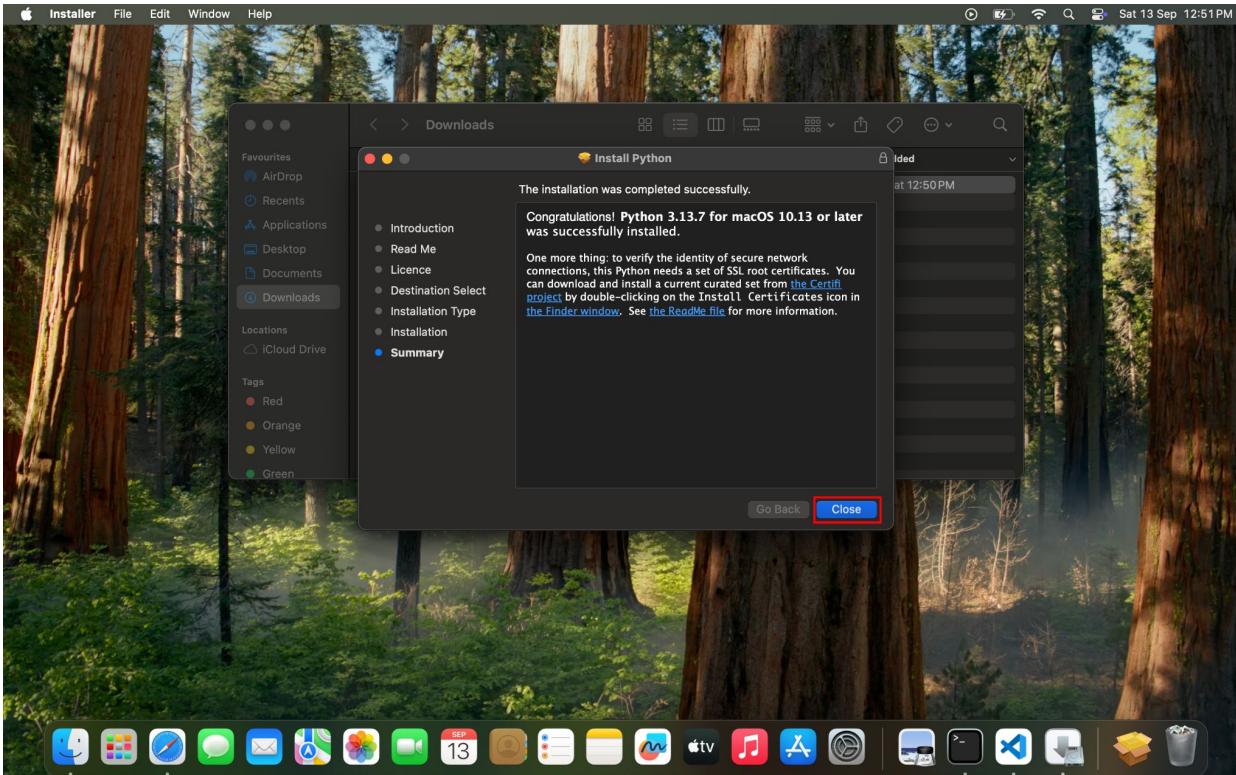


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Python

1. Click on close to complete the setup.

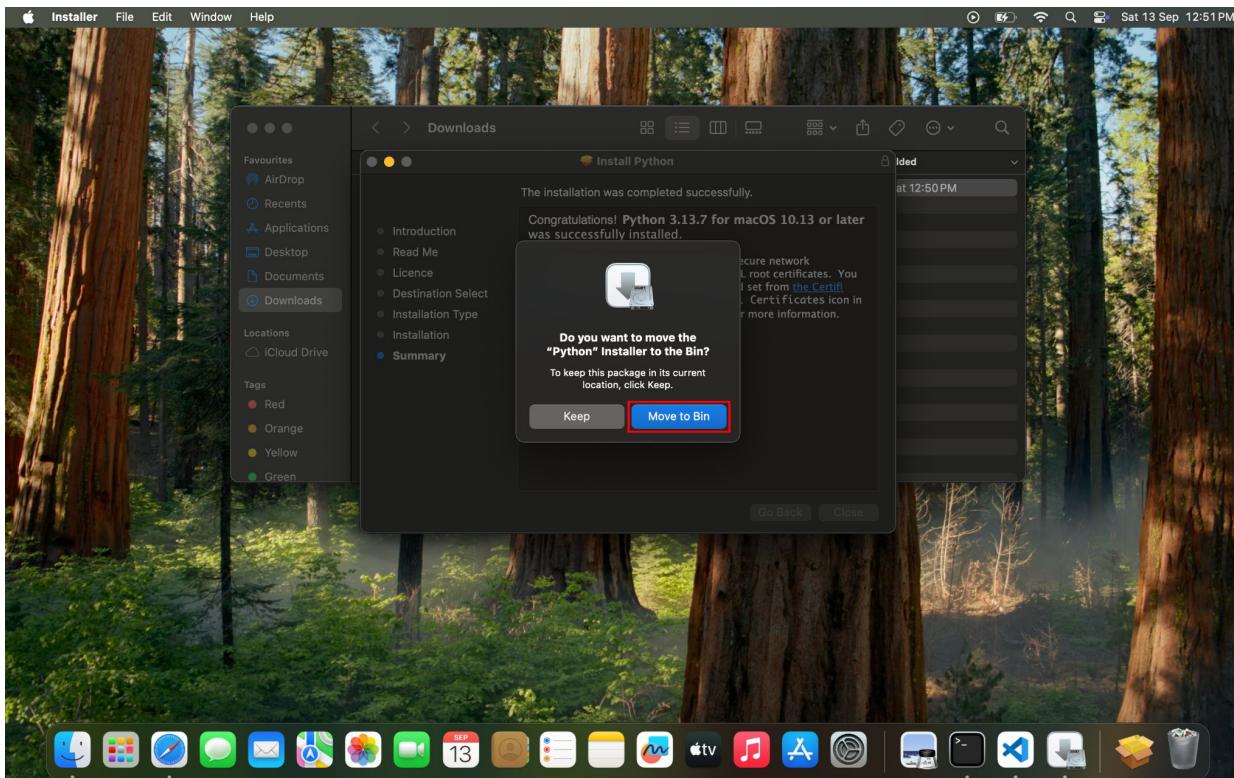


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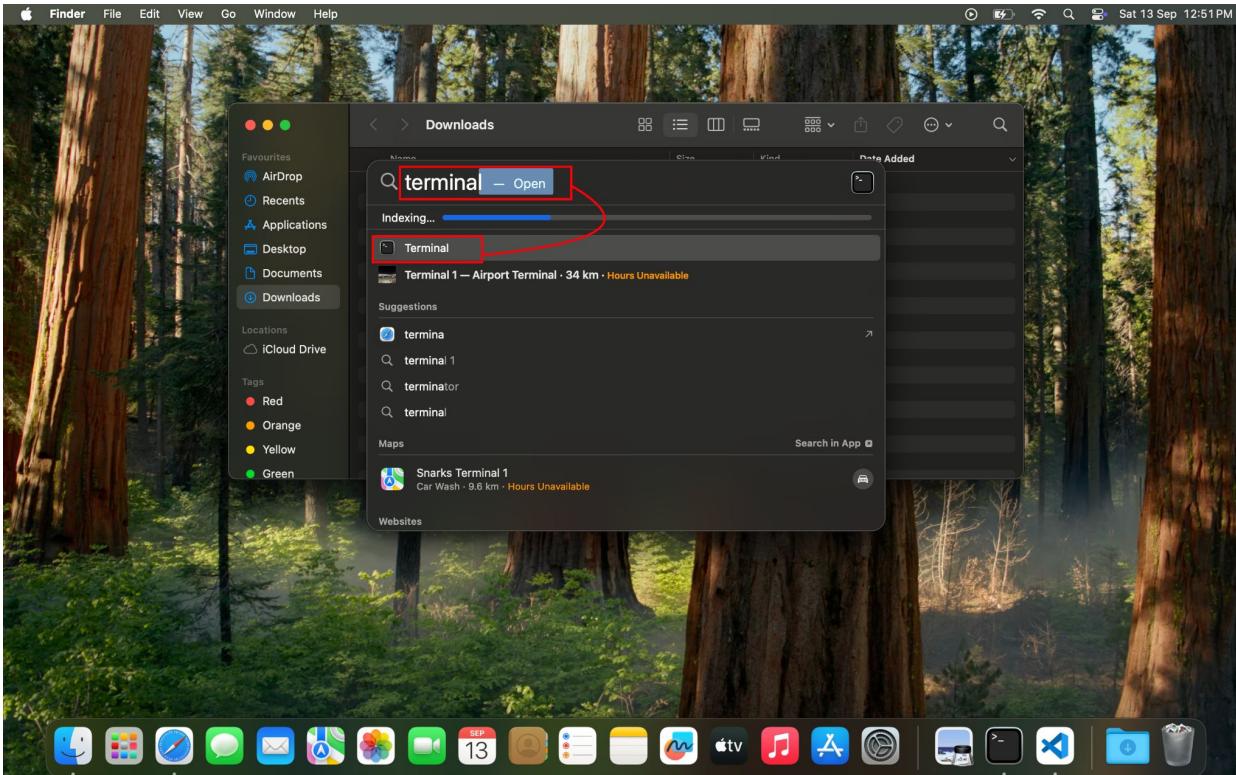
Python

- Once the installation is complete, the system may suggest removing the installer. You can move it to the Bin if you wish.



Python

1. Open Spotlight Search with Command(⌘) + Space, and type terminal.
2. Click on the first suggestion to open terminal.

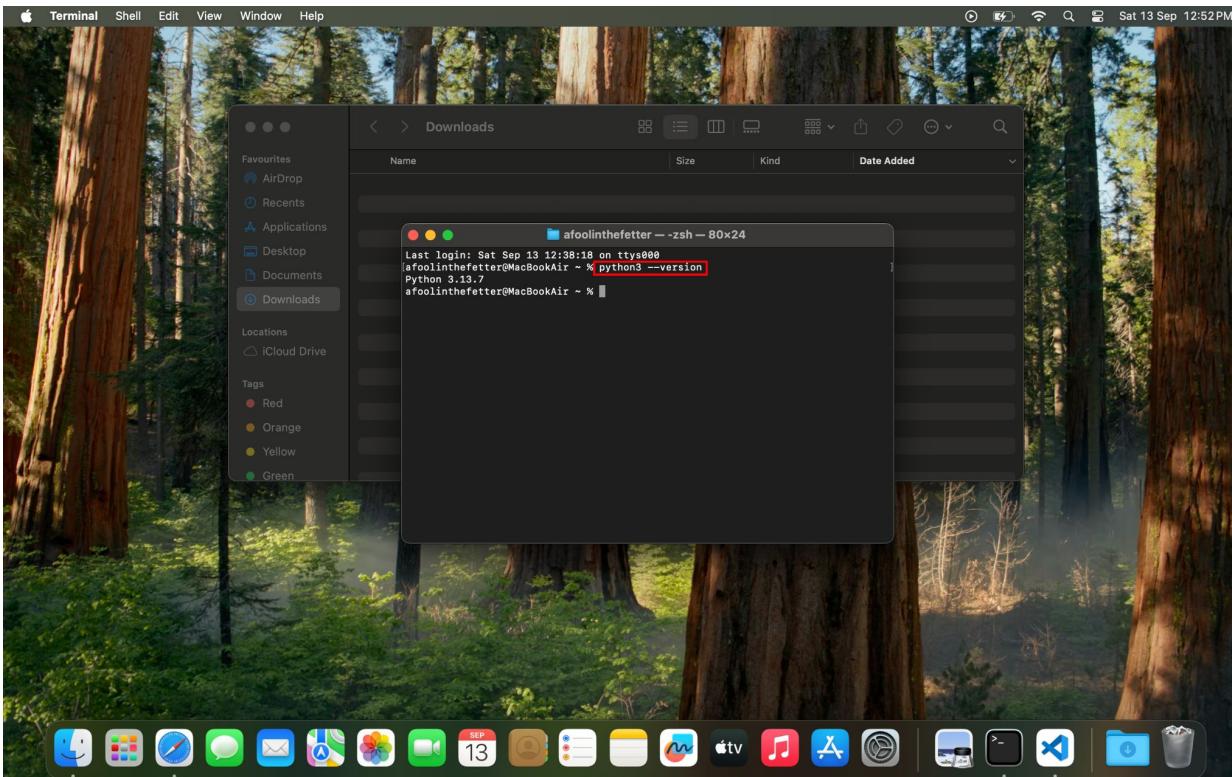


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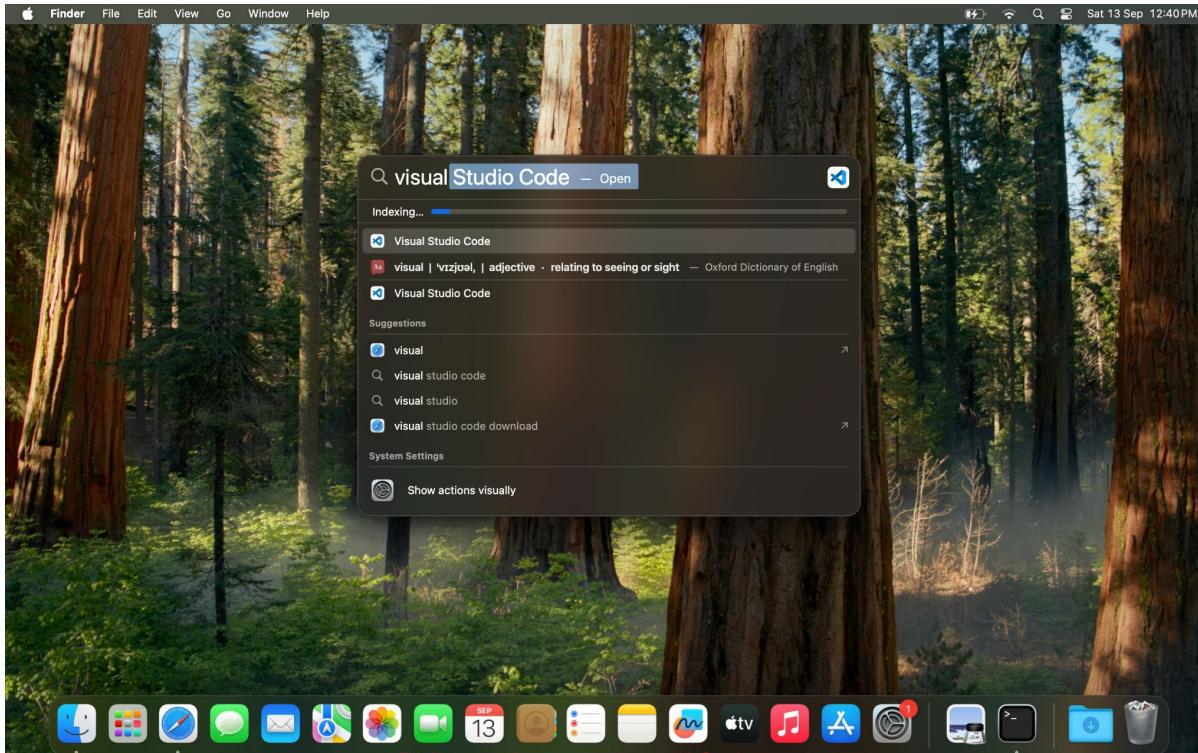
Python

1. Type `python --version` and press Enter. You should see the Python version (e.g., 3.13.7), confirming the installation was successful.



Jupyter Notebook

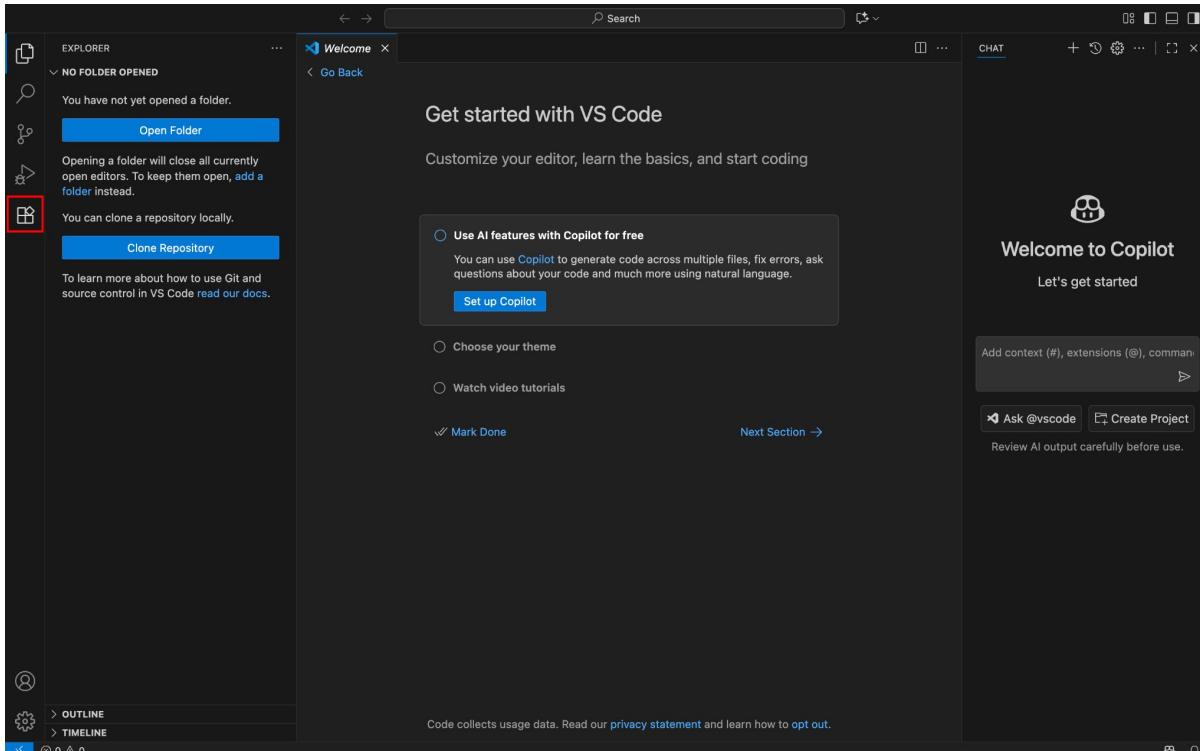
1. Open Spotlight (⌘ + Space), type 'Visual Studio Code', and select the first application from the list to launch it.



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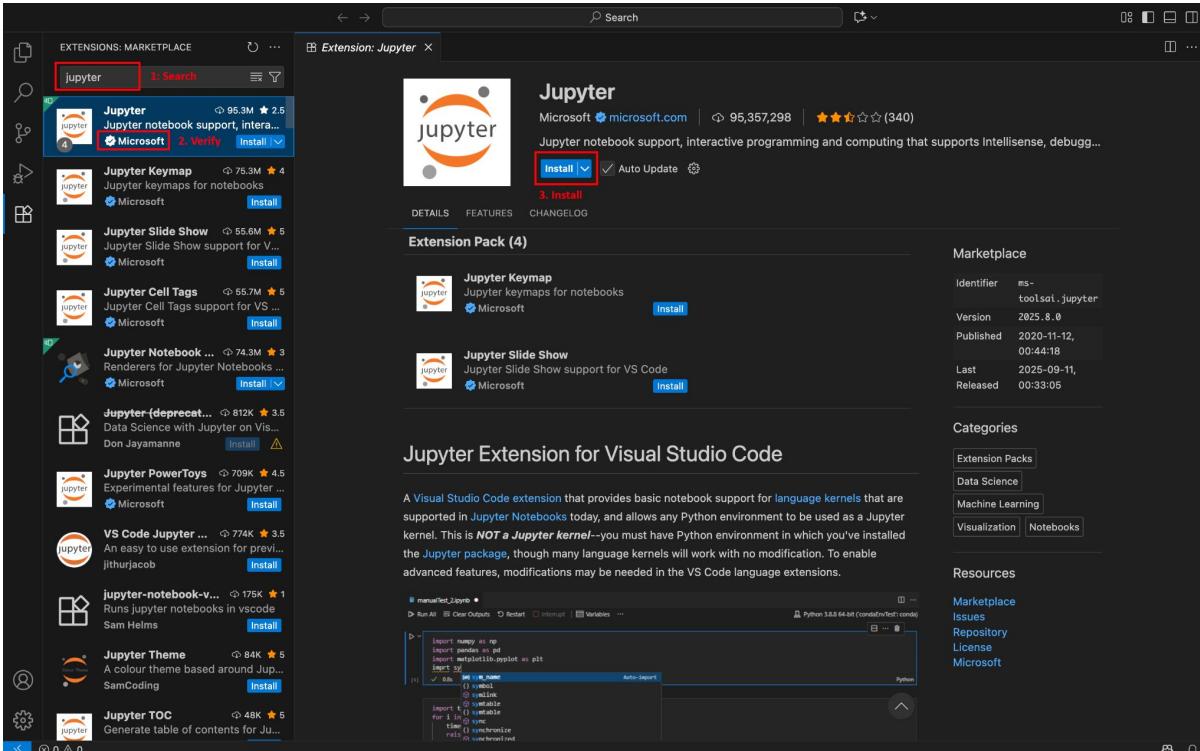
Jupyter Notebook

- Once the VS Code application is open, navigate to the extensions 



Jupyter Notebook

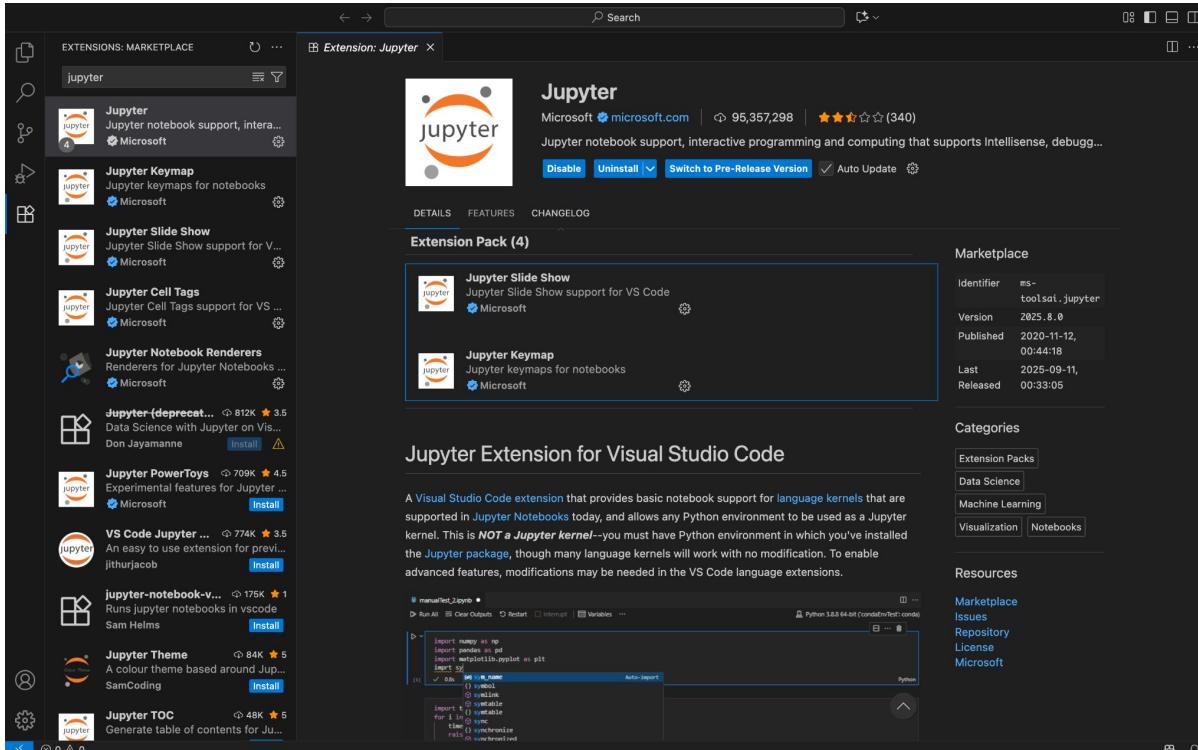
1. Search for `jupyter`, Verify that it is from Microsoft and then click on Install.



The screenshot shows the Visual Studio Code Marketplace interface. On the left, there is a sidebar with various icons. In the center, the search bar has 'jupyter' typed into it. Below the search bar, a list of extensions is displayed, each with a small icon, the name, the number of downloads, the rating, and the developer information. One extension, 'Jupyter' by Microsoft, is highlighted with a red box around its name and developer information. To the right of this list is a detailed view of the 'Jupyter' extension. This view includes a large preview image, the extension's name ('Jupyter'), the developer ('Microsoft'), the download count ('95,357,298'), the rating ('★★★☆☆ (340)'), and a prominent blue 'Install' button. Below this main view, there are sections for 'Extension Pack (4)' and 'Marketplace'. The 'Extension Pack (4)' section lists four related extensions: 'Jupyter Keymap', 'Jupyter Slide Show', 'Jupyter Cell Tags', and 'Jupyter Notebook'. The 'Marketplace' section provides metadata about the extension: Identifier (ms-toolsai.jupyter), Version (2025.8.0), Published (2020-11-12, 00:44:18), Last (2025-09-11), and Released (00:33:05). At the bottom of the detailed view, there is a code editor window showing some Python code. The status bar at the bottom of the screen displays the message 'This file is meant for personal use by mguardio@ucalgary.ca only.'

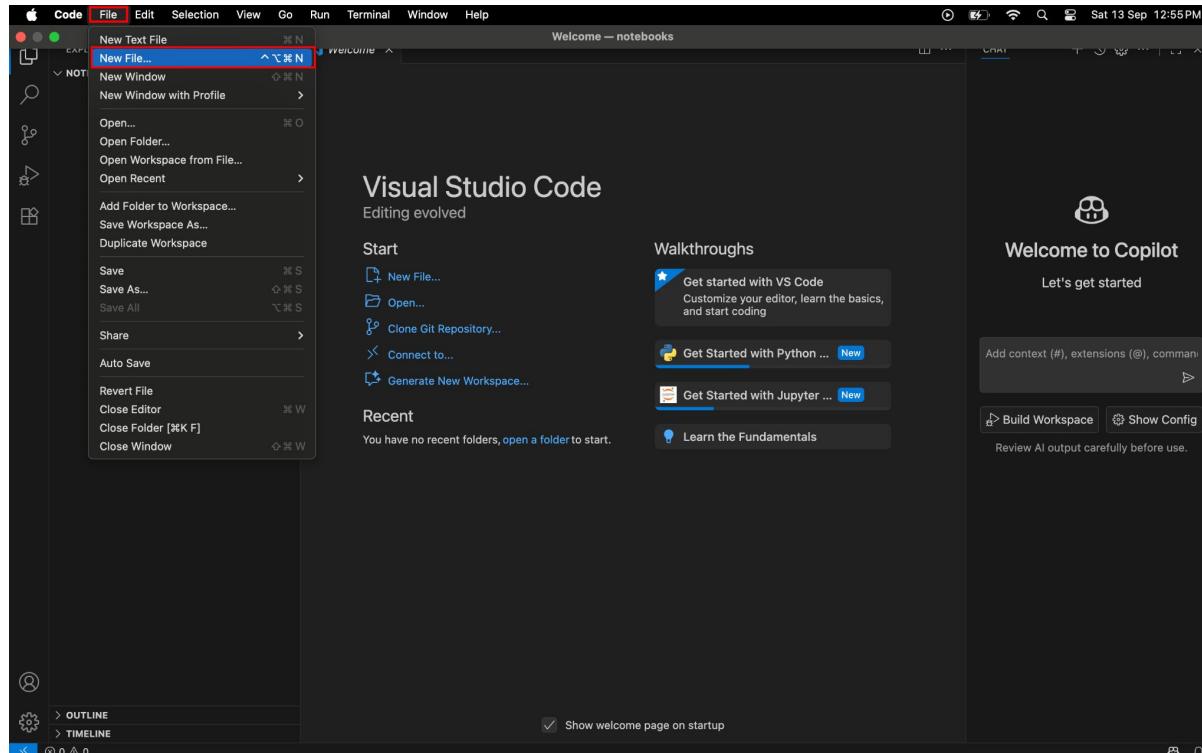
Jupyter Notebook

- Once Jupyter is installed, you should see this on the screen.



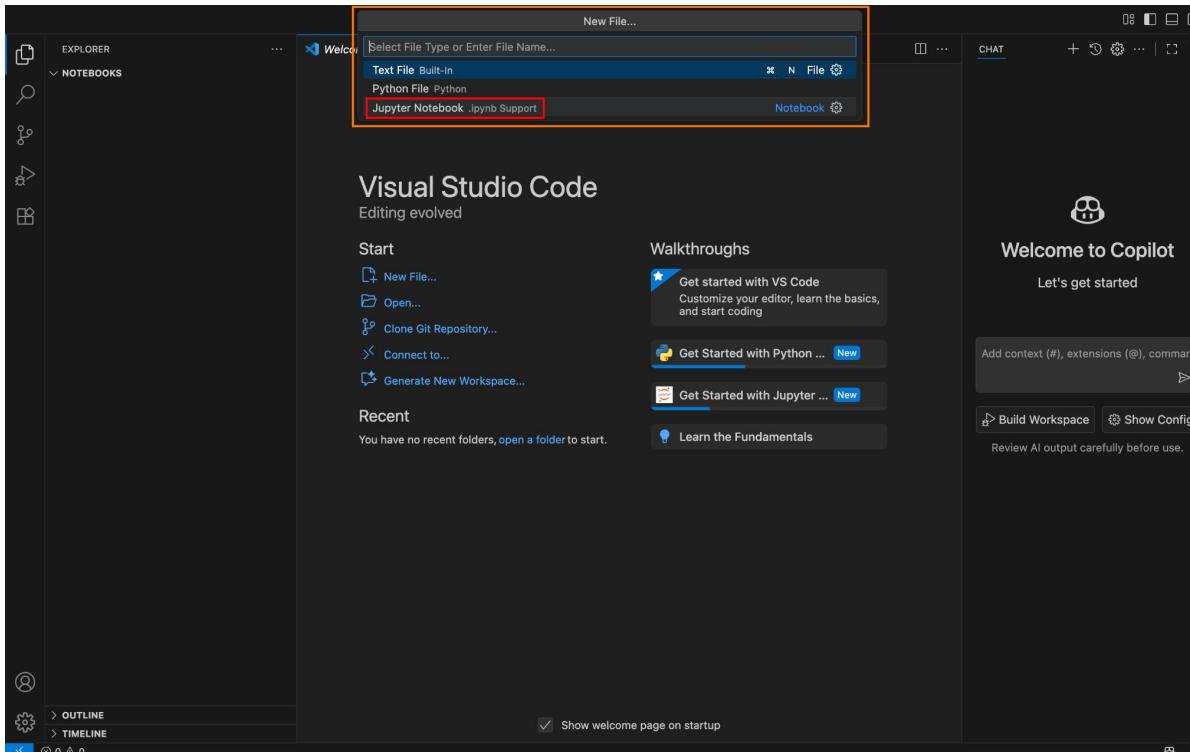
Jupyter Notebook

1. To open a new notebook, navigate to File and then to New File.



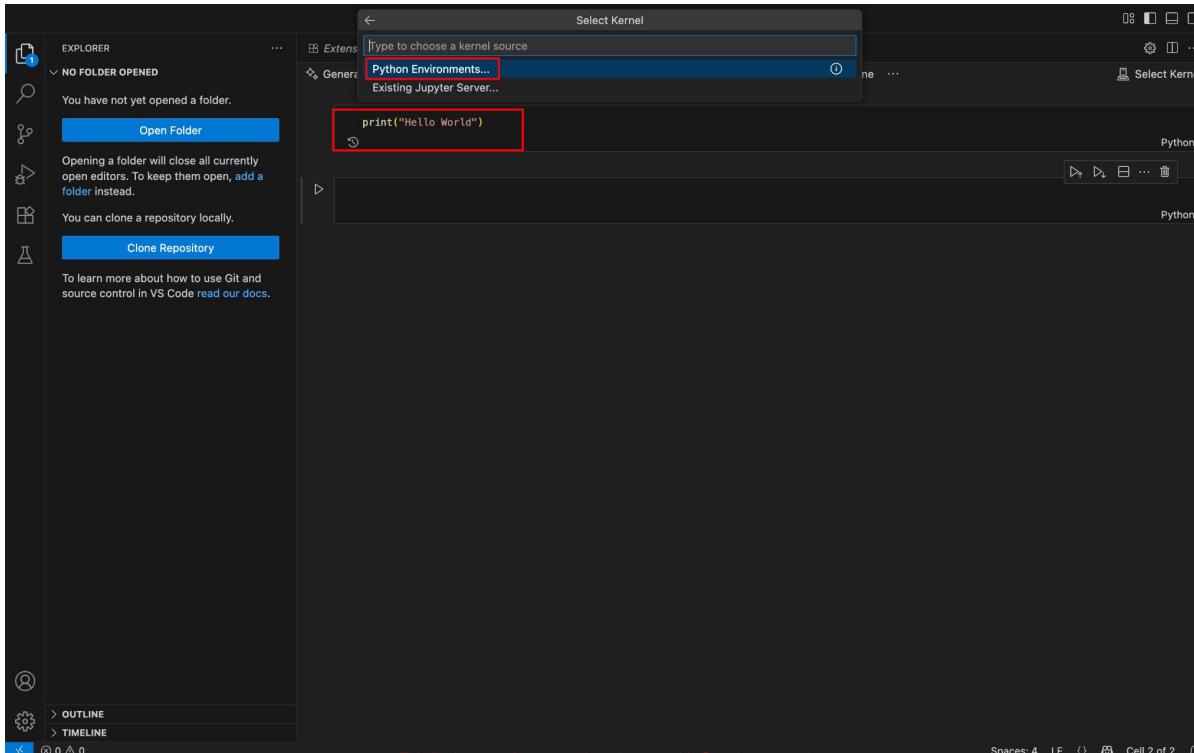
Jupyter Notebook

1. You'll see the dropdown to select the File Type. Choose Jupyter Notebook from the dropdown.



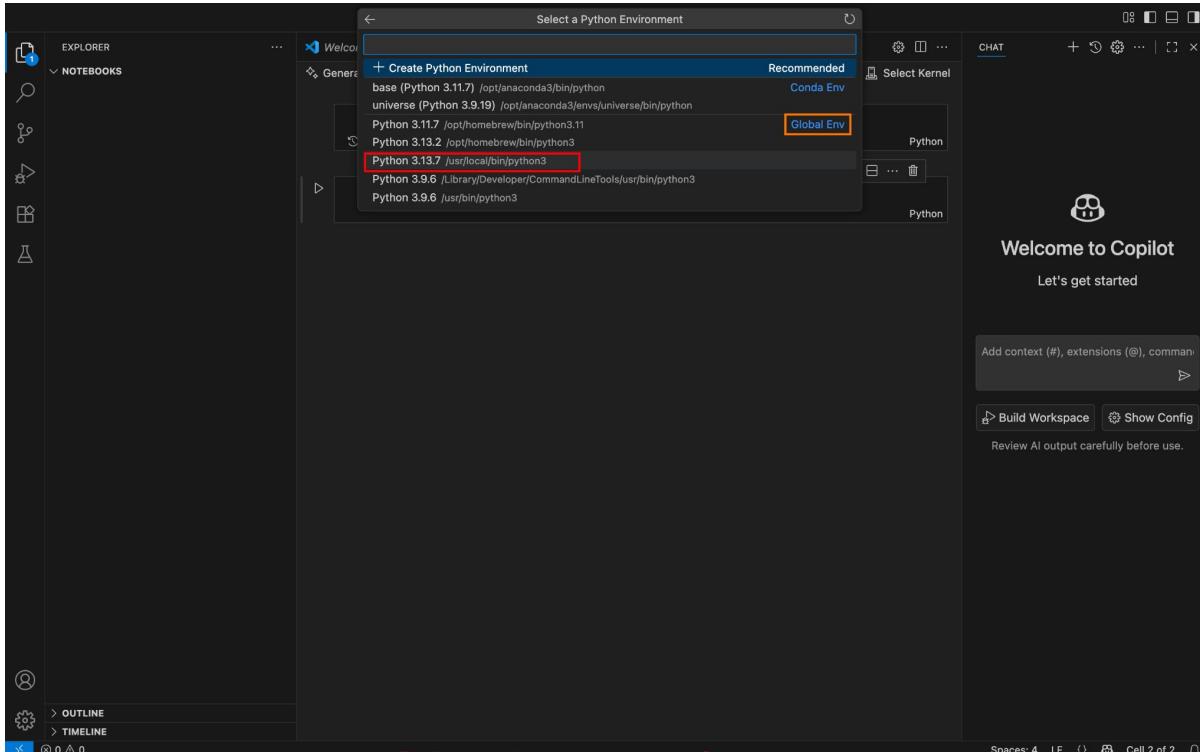
Jupyter Notebook

1. In the first cell write code snippet: `print ("Hello World")` and run the cell with (Command(⌘) + Enter).
2. You'll be asked for a kernel source and there choose Python Environments.



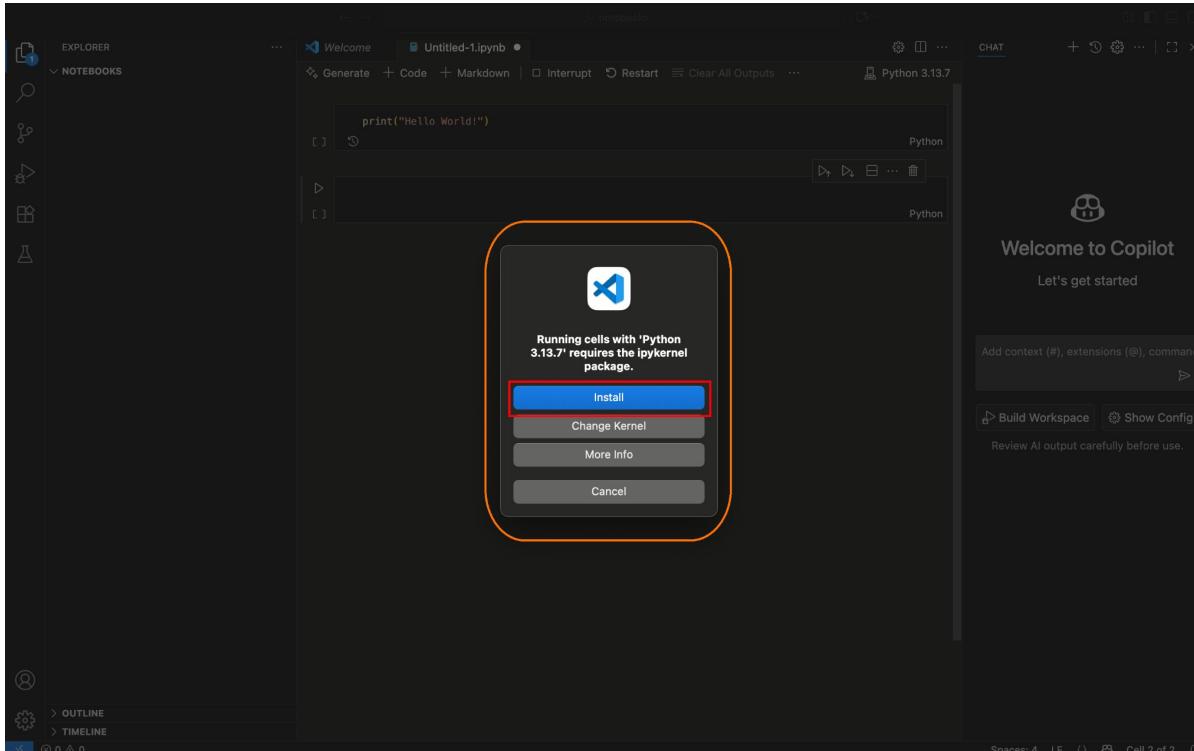
Jupyter Notebook

1. In the Global Env, you'll see the version of python that you had installed.
2. Select on that python version.



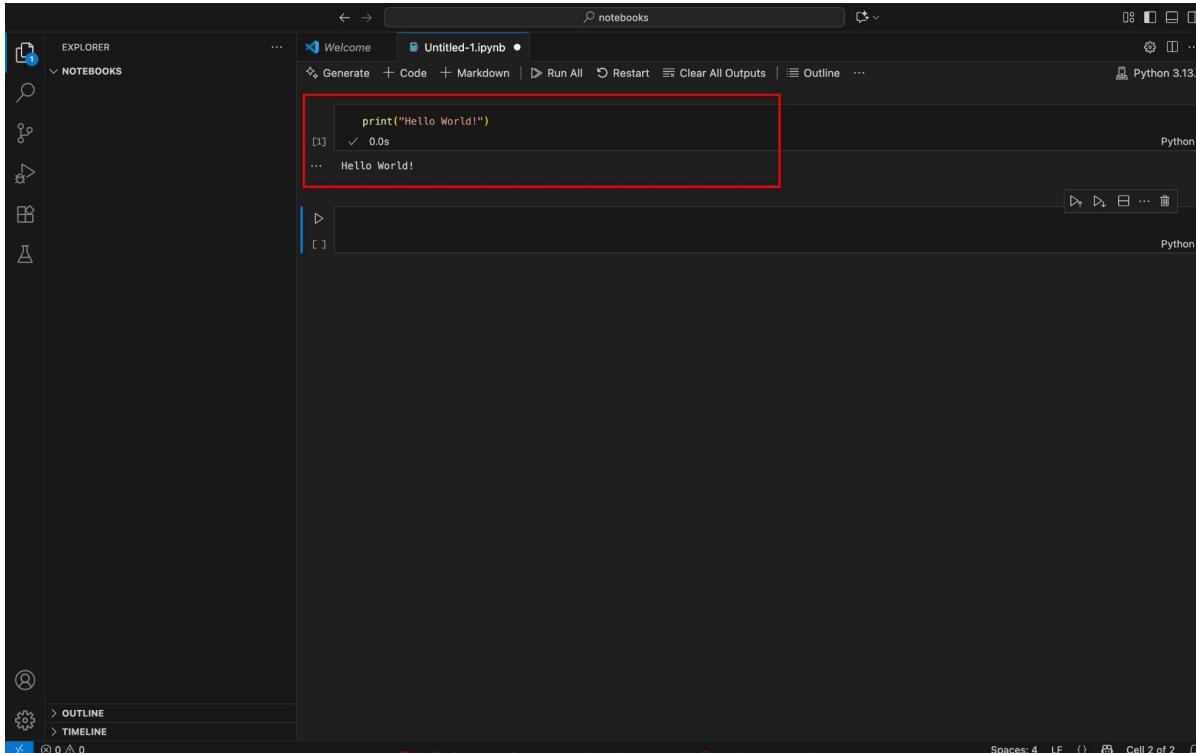
Jupyter Notebook

1. You might be prompted to install ipykernel. Click on install and let it run for a while.



Jupyter Notebook

- After the ipykernel is installed, you can see the output on the screen.



The screenshot shows a Jupyter Notebook interface with a dark theme. On the left is the Explorer sidebar with icons for files, notebooks, and other workspace elements. The main area displays a notebook titled "Untitled-1.ipynb". A single code cell contains the Python command `print("Hello World!")`. The cell has been run, and the output is displayed below it: `0.0s` followed by the text `Hello World!`. This output is highlighted with a red rectangular box. The top navigation bar includes tabs for "Welcome", "Untitled-1.ipynb", and "notebooks", along with various notebook-specific tools like "Generate", "Code", "Markdown", "Run All", "Restart", "Clear All Outputs", and "Outline". The status bar at the bottom indicates "Python 3.13.7" and provides standard terminal-like status information.



Happy Learning !

