HUMA5630 DIGITAL HUMANITIES

⚠️ **ACTIONS REQUIRED!**

Installation and Account Creation

Please do it _BEFORE_ the class on 22 March 2024 (Fri)

If you encounter any difficulties with the installation or account creation process, don't worry - feel free to contact me on or before **20 March 2024 (Wed)** to schedule a time to meet at the library. Bring your laptop along with you. I'd be happy to help.

We'll go straight to build the website in class, so please make sure your machine is ready beforehand.

Holly CHAN
HKUST Library
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Actions Required

01 **Create a Github account**

02 **Create a Streamlit account**

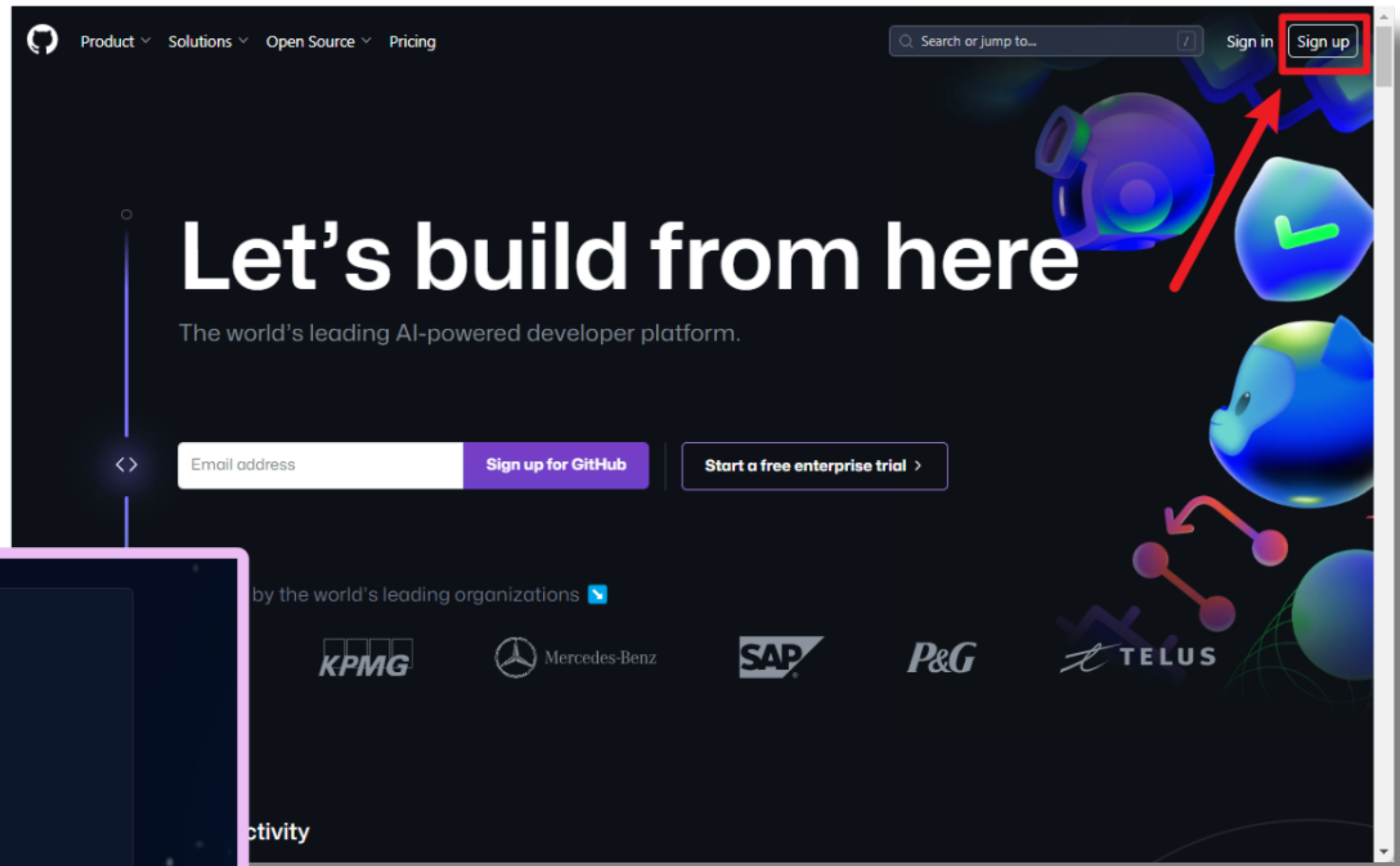03 **Install Python**

04 **Install Visual Studio Code**

01

Create
a Github account

Create an account in
Github

https://github.com/

Your GitHub page URL would be
https://github.com/<your_username>

02

Create
a Streamlit account

Create an account in
Streamlit

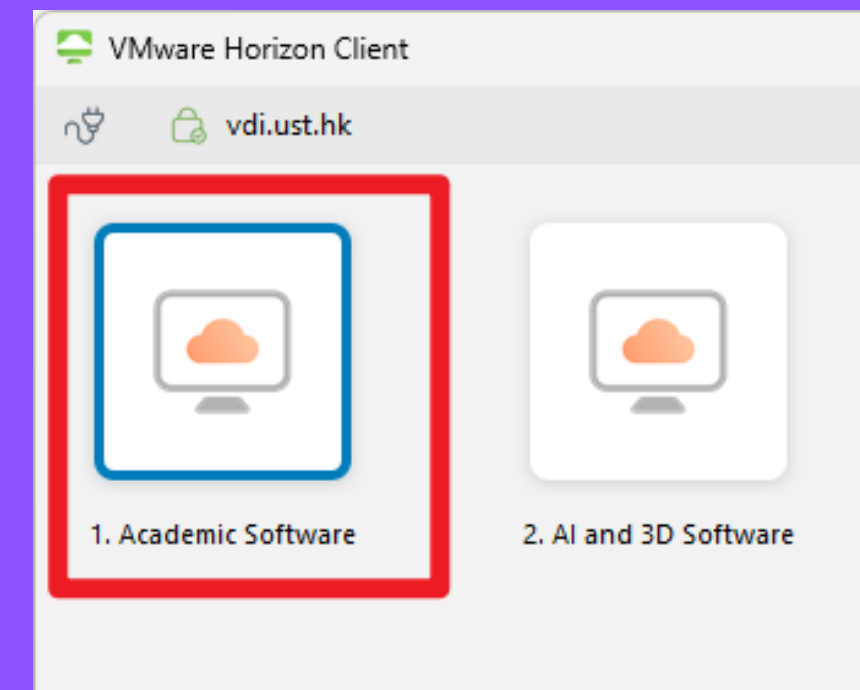**https://share.streamlit.io/signup**
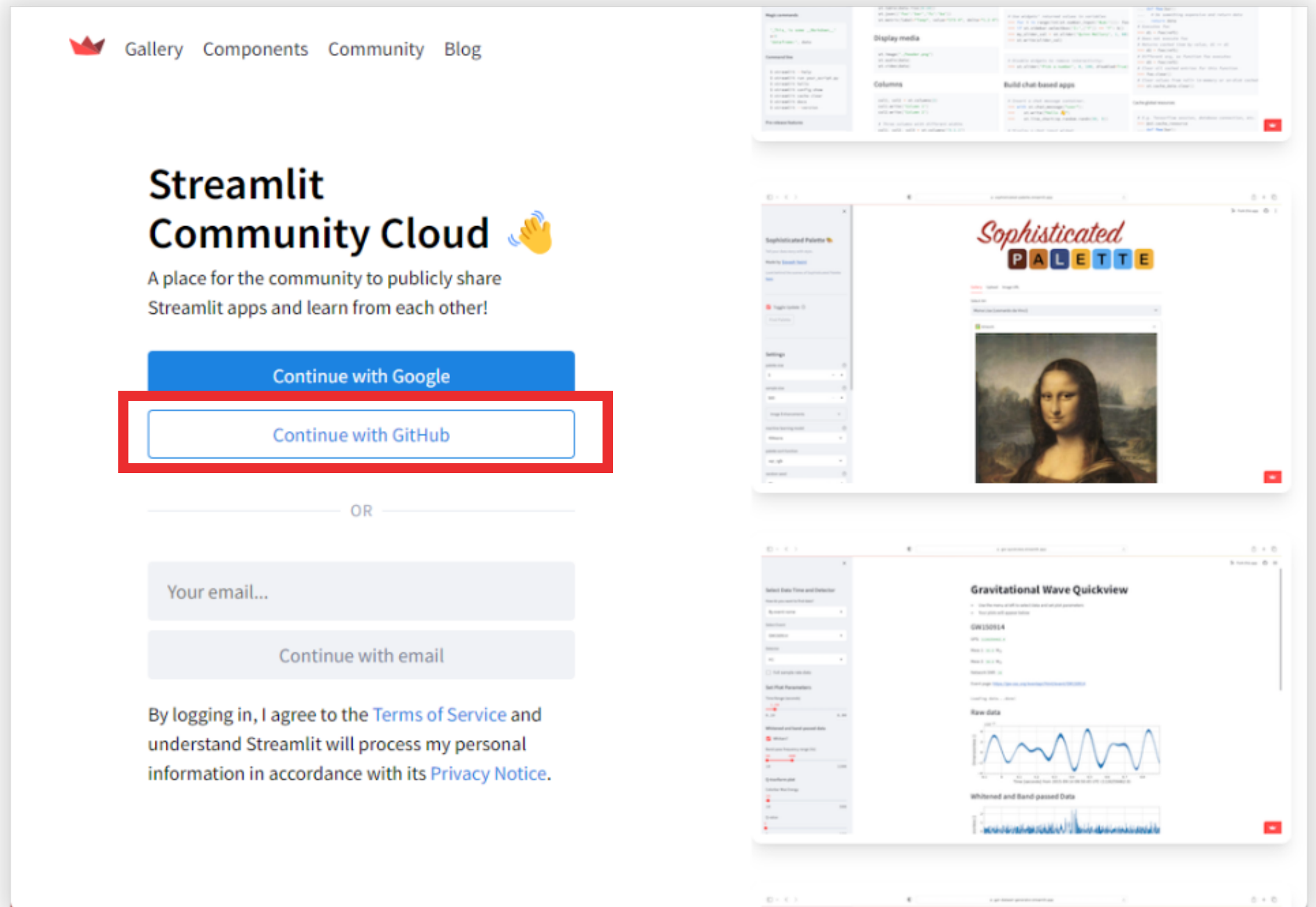
03

Download and install
Python (include pip)

If you plan to use the computers in our classroom (Room 4402, Computer Barn A), or the ITSC Virtual Barn https://itsc.hkust.edu.hk/services/academic-teaching-support/facilities/virtual-barn you can skip this step since the required software is already pre-installed on those machines.

VMware Horizon Client

vdi.ust.hk

1. Academic Software

2. AI and 3D Software

Download and install
Python

https://www.python.org/downloads/

Windows

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Download the latest version for Windows

Download Python 3.12.2

Looking for Python with a different OS? Python for Windows, Linux/UNIX, macOS, Other

Want to help test development ve Prereleases, Docker images

Python 3.12.2 (64-bit) Setup

Install Python 3.12.2 (64-bit)

Select Install Now to install Python with default settings, or choose Customize to enable or disable features.

→ Install Now
C:\Users\lbholly\AppData\Local\Programs\Python\Python312

Includes IDLE, pip and documentation
Creates shortcuts and file associations

Make sure includes pip

→ Customize installation
Choose location and features

☐ Use admin privileges when installing py.exe

☑ Add python.exe to PATH

Cancel

Tick this before clicking "Install Now"

⚠️

Download and install
Python

https://www.python.org/downloads/

Mac

Double click
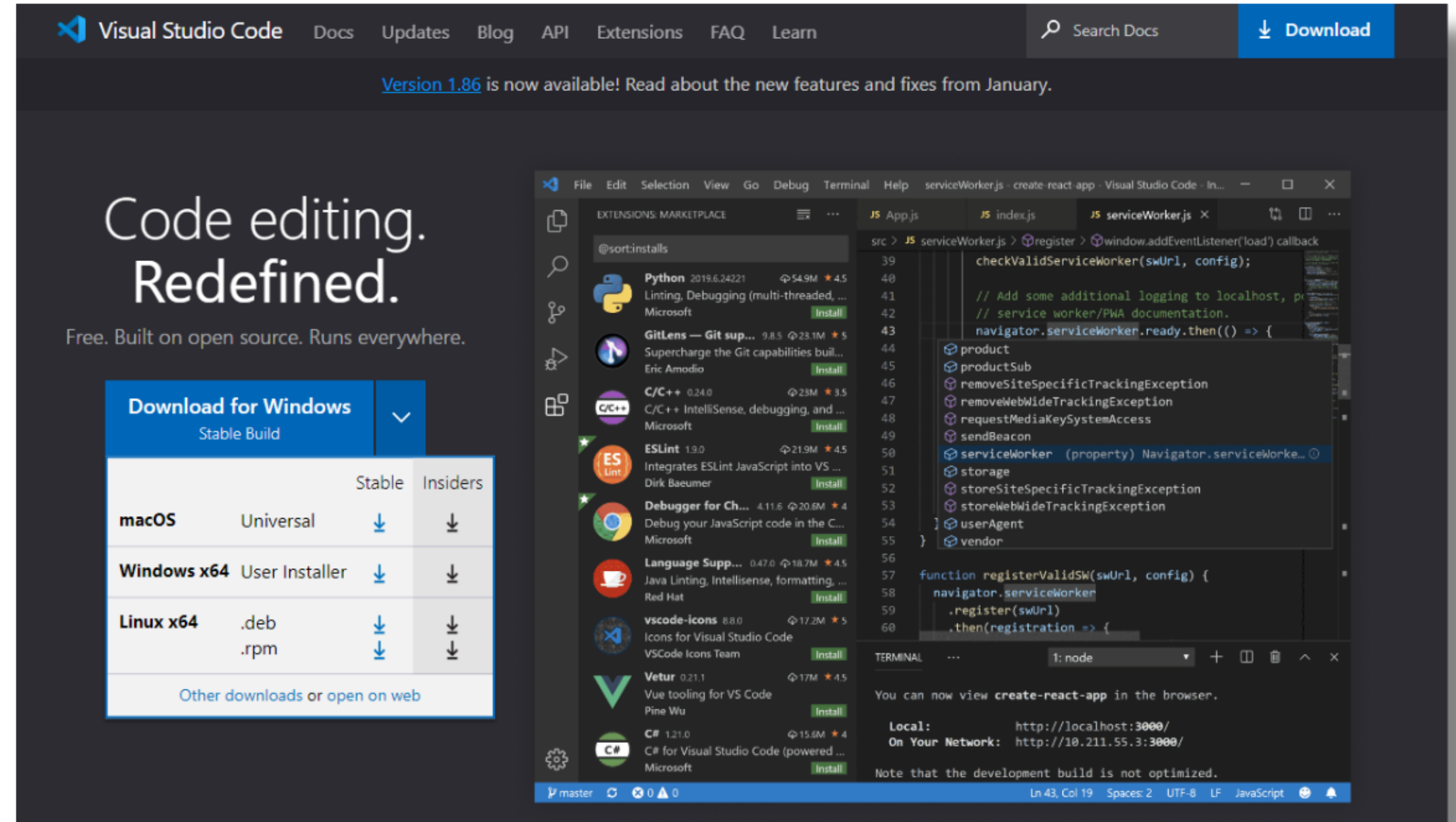
Double click

Check

04
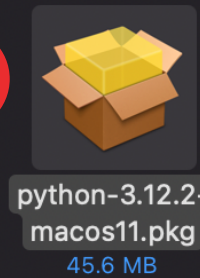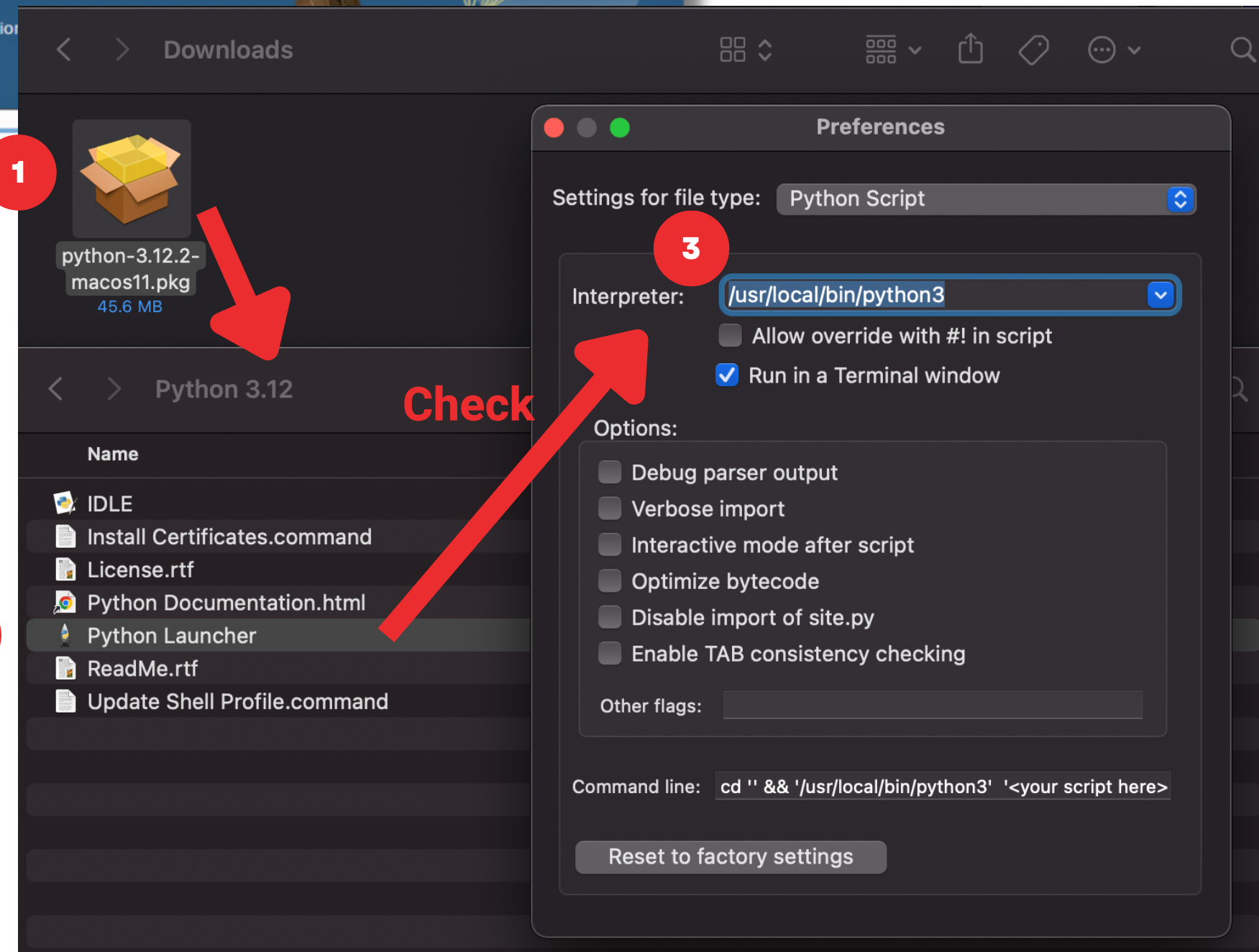
"Visual Studio Code" (VS code)

If you plan to use the computers in our classroom (Room 4402, Computer Barn A), or the ITSC Virtual Barn https://itsc.hkust.edu.hk/services/academic-teaching-support/facilities/virtual-barn you can skip this step since the required software is already pre-installed on those machines.
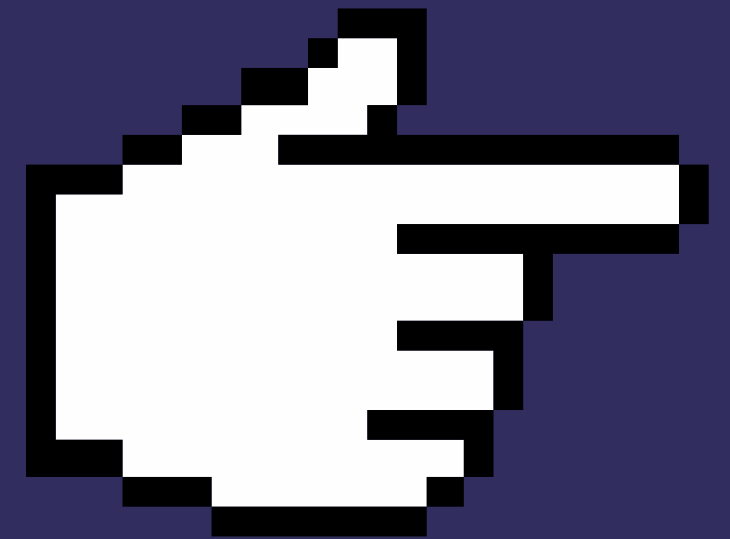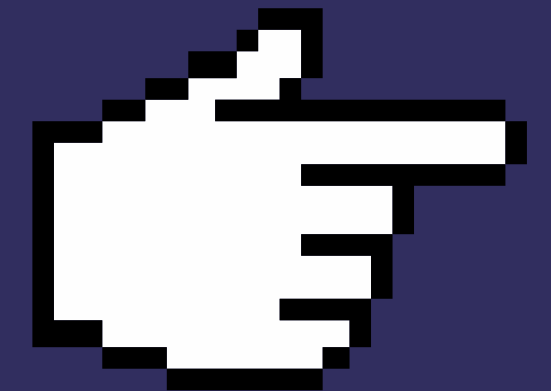

VMware Horizon Client

vdi.ust.hk
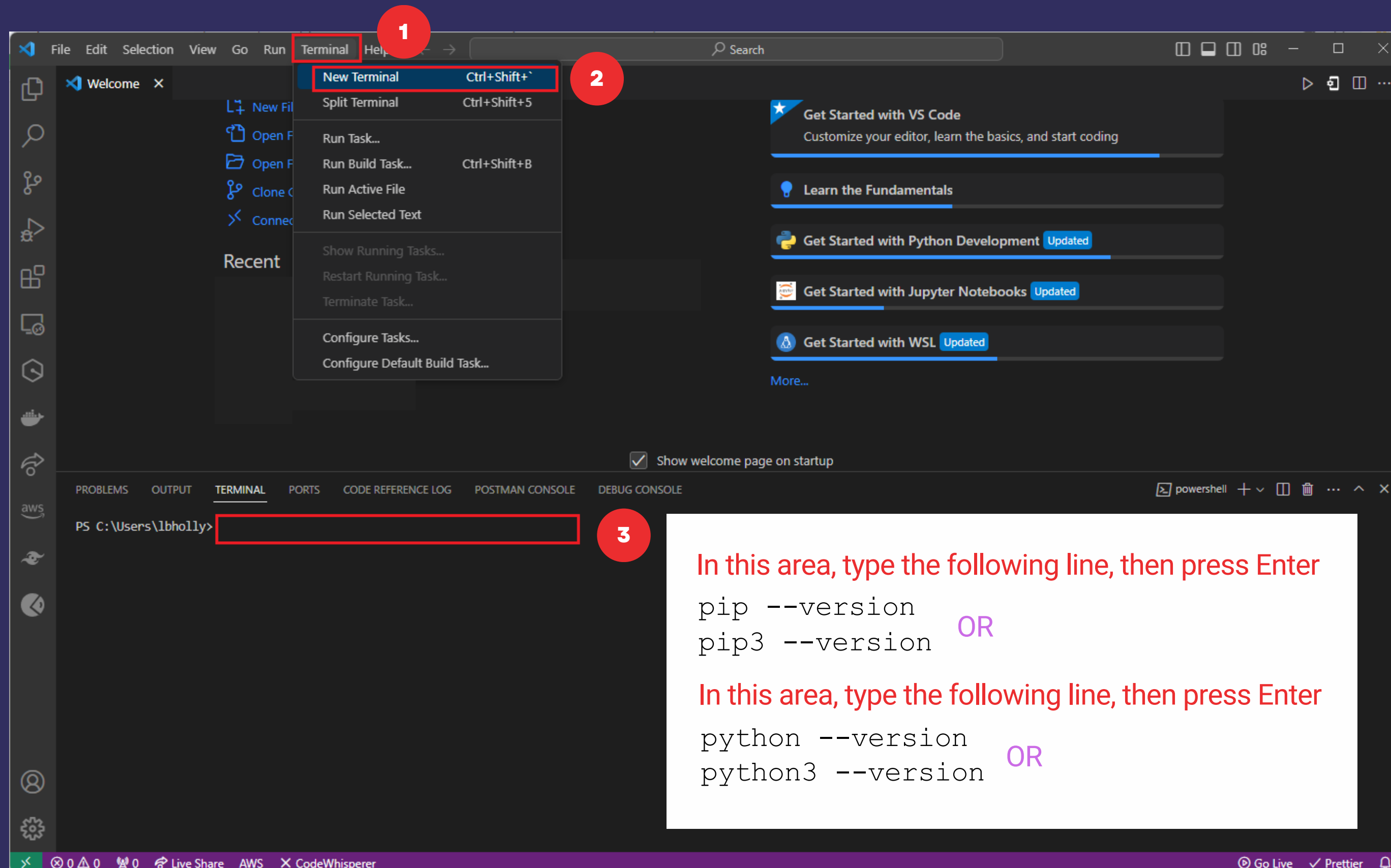
1. Academic Software   2. AI and 3D Software
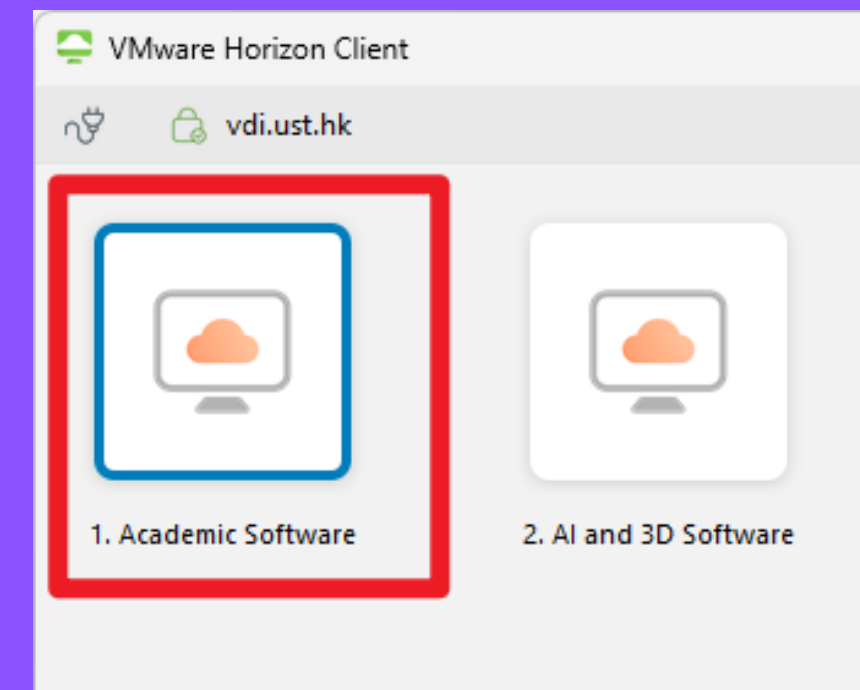
Download and install
VS Code

https://code.visualstudio.com/

Final Step

Please open your VS Code, and check if this works

Open the terminal in VS Code

In this area, type the following line, then press Enter

```
pip --version
pip3 --version
```
OR

In this area, type the following line, then press Enter

```
python --version
python3 --version
```
OR

Go to the next slide, see if you got the similar output

The `xxxx --version` command will check the **version of package** installed on your system.
If it shows the version number without any errors, it means they are installed successfully on your machine.
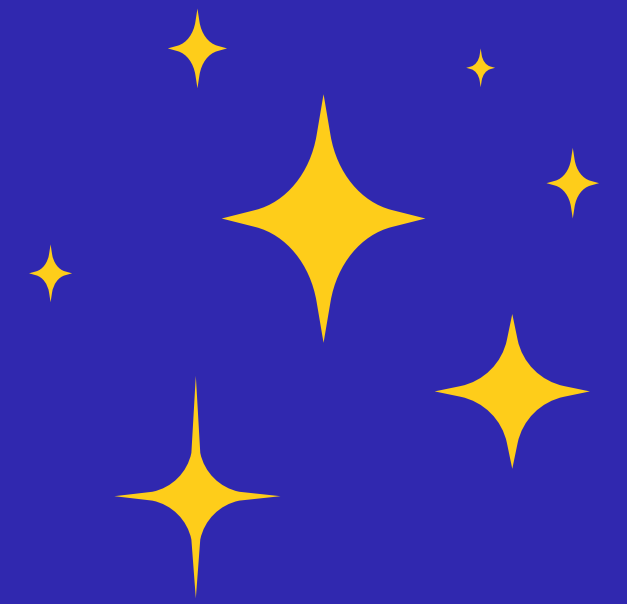

Examples:

Windows

```
PS C:\Users\lbholly> pip --version
pip 24.0 from C:\Users\lbholly\AppData\Local\Programs\Python\Python312\Lib\site-packages\pip (python 3.12)
PS C:\Users\lbholly> python --version
Python 3.12.2
```

Mac

```
● holly-demo-ac@Hollys-Air ~ % pip3 --version
  pip 24.0 from /Library/Frameworks/Python.framework/Versions/3.12/lib/python3.12/site-packages/pip
    (python 3.12)
● holly-demo-ac@Hollys-Air ~ % python3 --version
  Python 3.12.2
```

Congratulations!

Your machine is now ready for our class on 22 Mar 2024 (Fri)

Get ready to build a website using purely Python together on the coming Friday. See you!

If you encounter any difficulties with the installation or account creation process, feel free to contact me **on or before 20 March 2024 (Wed)**. I'd be happy to help!

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Optional reading

👉 https://digitalhumanities.hkust.edu.hk/tutorials/learn-python-from-zero-for-absolute-beginner-3-create-website/

The article above demonstrates how to create a website using Python with Streamlit and GitHub.

No worries if you don't have a chance to read it beforehand. In our class, we'll go through the steps from scratch together in more detail and explore additional features of Streamlit that go beyond what've covered in the article above.

See you on the coming Friday!