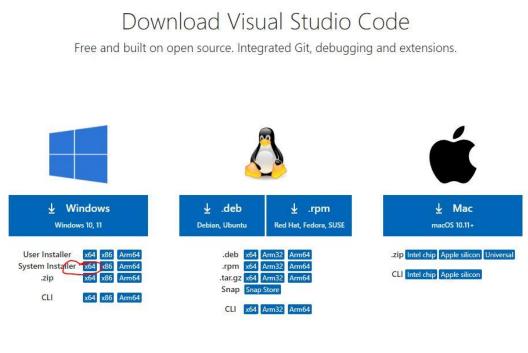
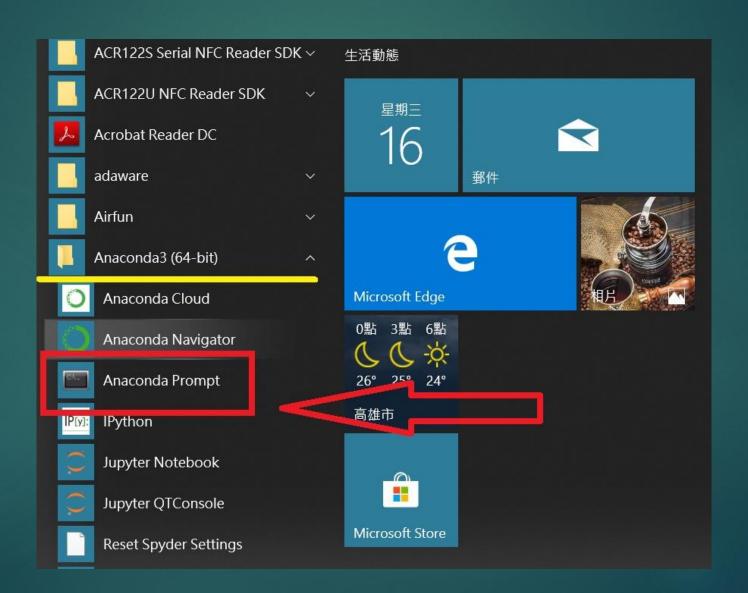
Windows 下安裝opency

# download anaconda & visual studio code

- https://www.anaconda.com/download
- ► https://code.visualstudio.com/download
- https://gitforwindows.org/



#### 1. 開啟 Anaconda Prompt



- ▶ #安裝虛擬環境及套件,首先開啟 anaconda prompt
- conda update conda
- conda env list
- conda create –name cv2 python=3.8
- conda activate cv2
- pip install opency-python
- python –m pip install --upgrade pip
- pip install matplotlib
- python –version # check python version
- python –c "import cv2;print(cv2.\_\_verwion\_\_)"

```
Anaconda Prompt (miniconda3)

# $ conda deactivate

(base) C:\Users\jumbo>conda activate cv2

(cv2)_C:\Users\jumbo>pip install opencv-python

Collecting opencv-python

Obtaining dependency information for opencv-python-4.8.0.76-cp37-abi3-win_amd64.whl.metadata

Downloading opencv_python-4.8.0.76-cp37-abi3-win_amd64.whl.metadata (20 kB)

Collecting numpy=1.17.0 (from opencv-python)

Obtaining dependency information for numpy=1.17.0 from https://files.pythonhosted.org/packages/fb/c4/f574ba6f04e6d7bf

8c38d23g23g25a8g566dd7631fee0bcdd79ea07ef2dbf/opencv_python-4.8.0.76-cp37-abi3-win_amd64.whl.metadata (20 kB)

Collecting numpy=1.17.0 (from opencv-python)

Obtaining dependency information for numpy=1.17.0 from https://files.pythonhosted.org/packages/69/65/0d47953afa0ad569

d12de5f65d964321c208492064c38fe3b0b9744f8d44/numpy-1.24.4-cp38-cp38-win_amd64.whl.metadata

Downloading numpy-1.24.4-cp38-cp38-win_amd64.whl.metadata (5.6 kB)

Downloading opencv_python-4.8.0.76-cp37-abi3-win_amd64.whl.metadata (5.6 kB)

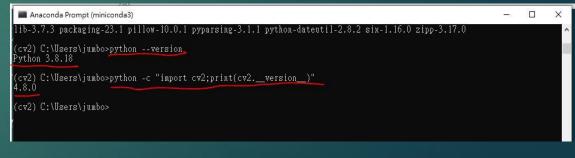
Downloading opencv_python-4.8.0.76-cp37-abi3-win_amd64.whl.metadata (5.6 kB)

Downloading opencv_python-4.8.0.76-cp37-abi3-win_amd64.whl.metadata (5.6 kB)

Downloading numpy-1.24.4-cp38-cp38-win_amd64.whl.metadata (5.6 kB)

Downloading opencv_python-4.8.0.76-cp37-abi3-win_amd64.whl.metadata (5.6 kB)

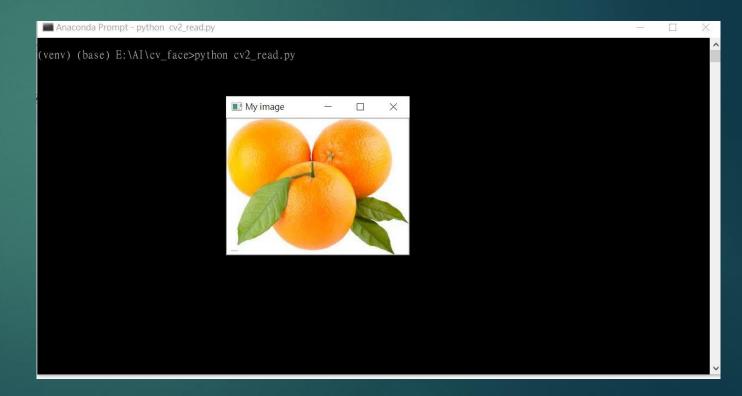
Downloading opencv_pytho
```



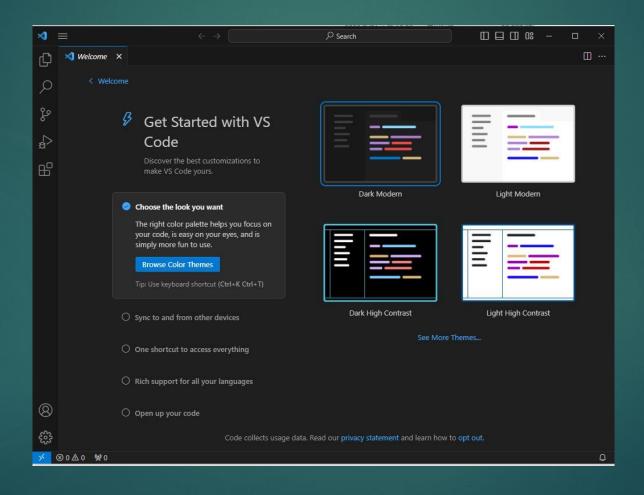
#### Test opency

import cv2

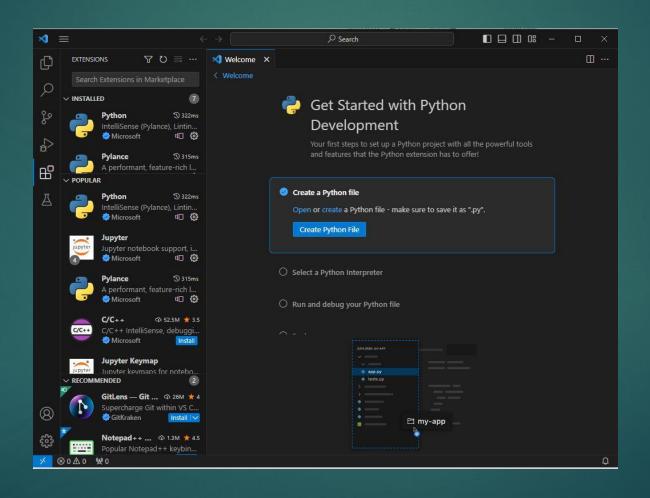
img = cv2.imread('orange.jpg')
cv2.imshow('My image', img)
cv2.waitKey(0)
cv2.destroyAllWindows()



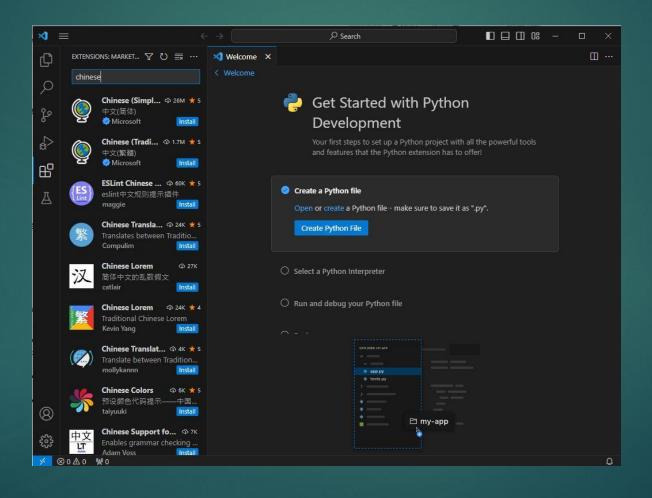
#### Install visual studio code



#### select python module and install



### install Chinese language package



### select working directory



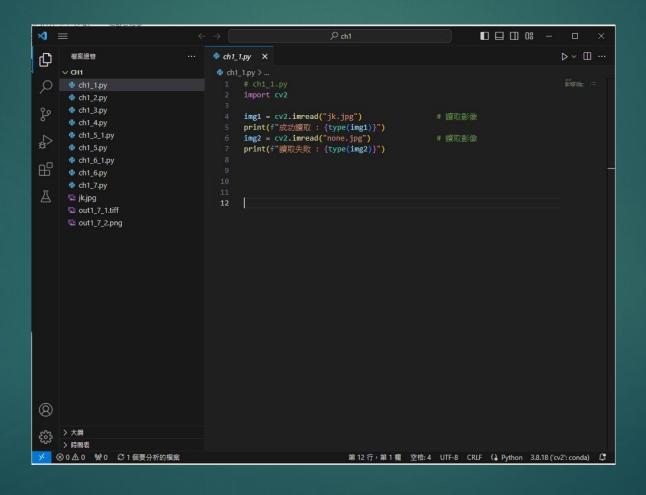
#### restart from anaconda prompt

```
Anaconda Prompt (miniconda3)

(base) C:\Users\jumbo>conda activate cv2

(cv2) C:\Users\jumbo>code
```

## running program



#### Get Computer Vision docs & code

- ▶ ## 開啟 git CMD
- git clone https://github.com/jumbokh/Computer-Vision