

ANACONDA ENVIRONMENT

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Environment(1/3)

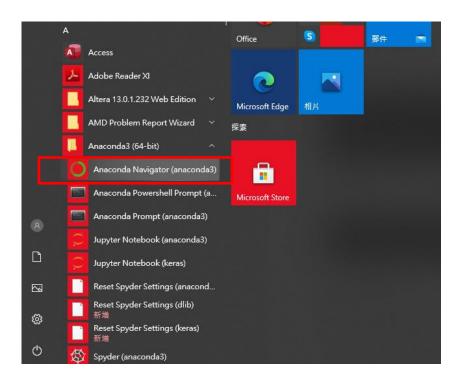
- 1.Download the Anaconda
 - https://www.anaconda.com/products/individual
 - Install Anaconda





Environment(2/3)

- Activate anaconda
 - Click Anaconda Navigator

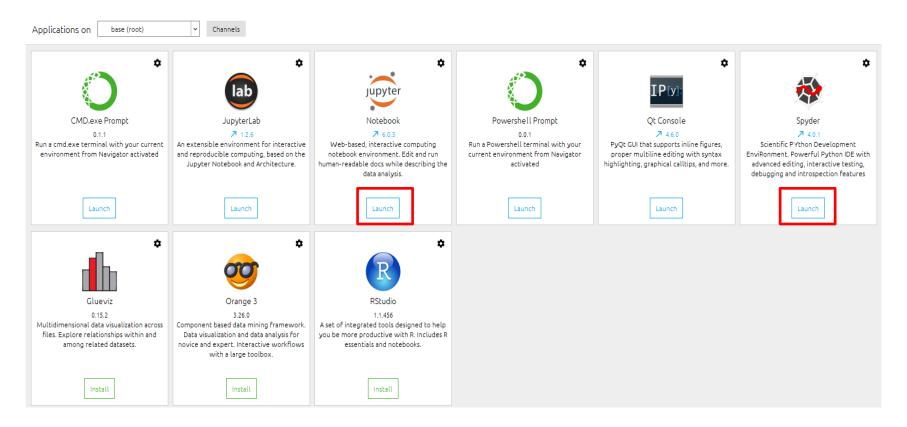






Environment(3/3)

Install spyder (or jupyter notebook)

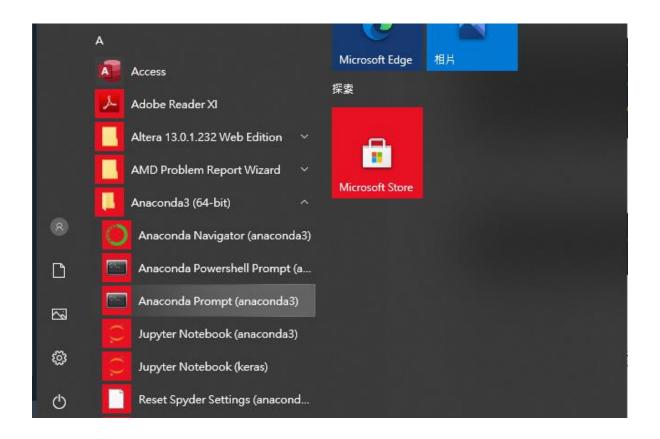




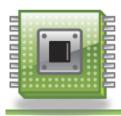


Virtual Environment(1/6)

Click Anaconda Prompt







Virtual Environment(2/6)

- Conda create –n envName python=3.7
 - envName is a virtual environment name which you named.
 - Python=3.7 is the package which you want to install in you virtual environment.

```
Anaconda Prompt (anaconda3)

- - - X

(base) C:\Users\user>conda create -n test1 python=3.7
```





Virtual Environment(3/6)

```
Anaconda Prompt (anaconda3) - conda create -n test1 python=3.7
(base) C:\Users\user>conda create -n test1 python=3.7
Collecting package metadata (current_repodata.json): done
Solving environment: done
## Package Plan ##
 environment location: C:\Users\user\anaconda3\envs\test1
 added / updated specs:
   - python=3.7
The following NEW packages will be INSTALLED:
 ca-certificates
                     pkgs/main/win-64::ca-certificates-2020.7.22-0
 certifi
                     pkgs/main/win-64::certifi-2020.6.20-py37 0
                     pkgs/main/win-64::openssl-1.1.1g-he774522_1
 openssl
                     pkgs/main/win-64::pip-20.2.2-py37_0
 pip
                     pkgs/main/win-64::python-3.7.9-h60c2a47_0
 python
                     pkgs/main/win-64::setuptools-49.6.0-py37_0
 setuptools
                     pkgs/main/win-64::sqlite-3.33.0-h2a8f88b_0
 salite
                     pkgs/main/win-64::vc-14.1-h0510ff6_4
 VC.
                     pkgs/main/win-64::vs2015_runtime-14.16.27012-hf0eaf9b_3
 vs2015_runtime
                     pkgs/main/noarch::wheel-0.35.1-py_0
 wheel
 wincertstore
                     pkgs/main/win-64::wincertstore-0.2-py37_0
 zlib
                     pkgs/main/win-64::zlib-1.2.11-h62dcd97_4
Proceed ([y]/n)? y
```



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Virtual Environment(4/6)

- activate envName
 - activate your virtual environment
 - EX:activate test1

```
(base) C:\Users\user>activate test!
(base) C:\Users\user>activate test!
(test1) C:\Users\user>
```

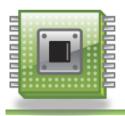




Virtual Environment(5/6)

- Install other package
 - conda install tensorflow=1.13.1
 - conda install keras
 - conda install opency
 - conda install pillow
 - conda install matplotlib





Virtual Environment(6/6)

```
The following NEW packages will be INSTALLED:
                   pkgs/main/win-64::freetype-2.10.2-hd328e21_0
 freetype
                   pkgs/main/win-64::jpeg-9b-hb83a4c4_2
  jpeg
                   pkgs/main/win-64::libpng-1.6.37-h2a8f88b_0
 libpng
                   pkgs/main/win-64::libtiff-4.1.0-h56a325e-1
 libtiff
                   pkgs/main/win-64::lz4-c-1.9.2-h62dcd97 1
 1z4-c
 olefile
                   pkgs/main/win-64::olefile-0.46-py37_0
                   pkgs/main/win-64::pillow-7.2.0-py37hcc1f983_0
 pillow
                   pkgs/main/win-64::tk-8.6.10-he774522_0
 tk
                   pkgs/main/win-64::xz-5.2.5-h62dcd97_0
 ΧZ
                   pkgs/main/win-64::zstd-1.4.5-h04227a9 0
 zstd
Proceed ([y]/n)? y
Downloading and Extracting Packages
freetype-2.10.2
                   I 47Ō KB
                                                                                                         100%
                     2.7 MB
tk-8.6.10
                                                                                                         100%
pillow-7.2.0
                   I 661 KB
                                100%
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
(test1) C:\Users\user>
```

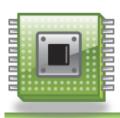




Other instructions

- conda remove –n envName
 - Remove the virtual environment
- Deactivate
 - Leave the virtual environment
- conda list
 - List the environment

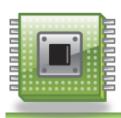




Python

- String
- List
- Numpy
 - Arrange
 - Random
 - Index
 - Reshape
- Dictionary





Reference

https://ithelp.ithome.com.tw/articles/10 203624

