Environment Setup
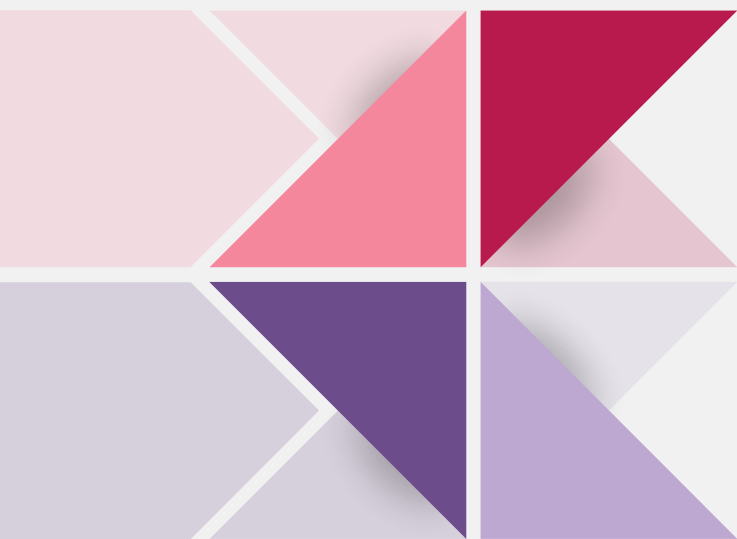
Anaconda
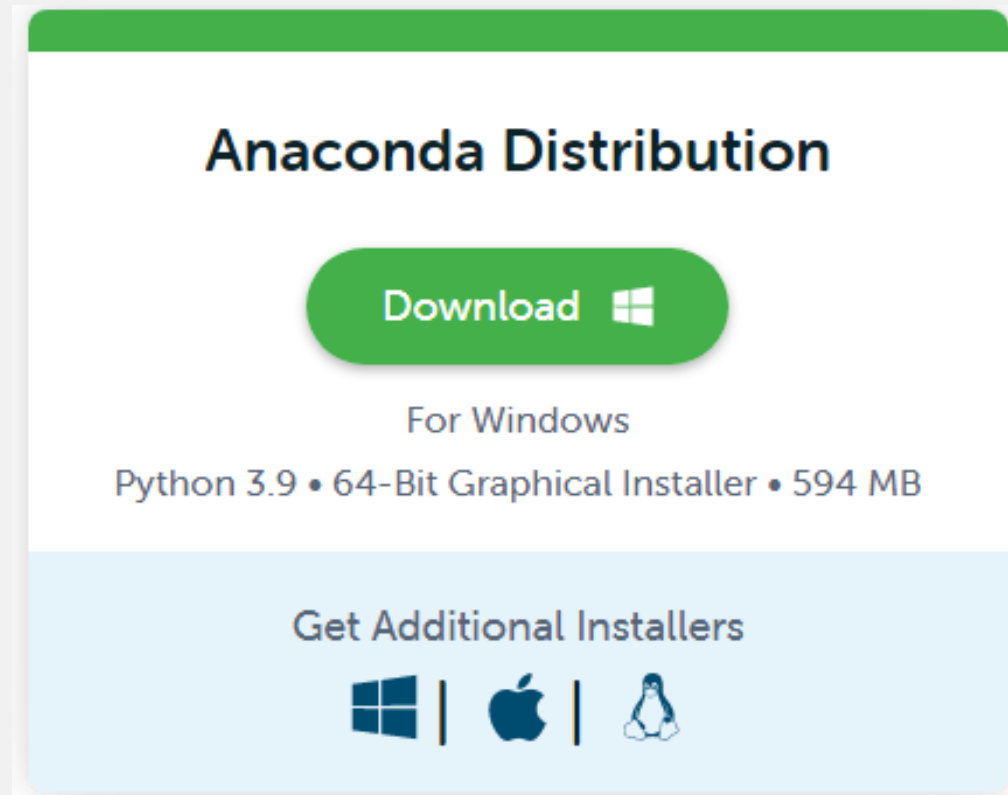
Anaconda
Why?

It can help you easy install Python and packages

It can be downloaded from
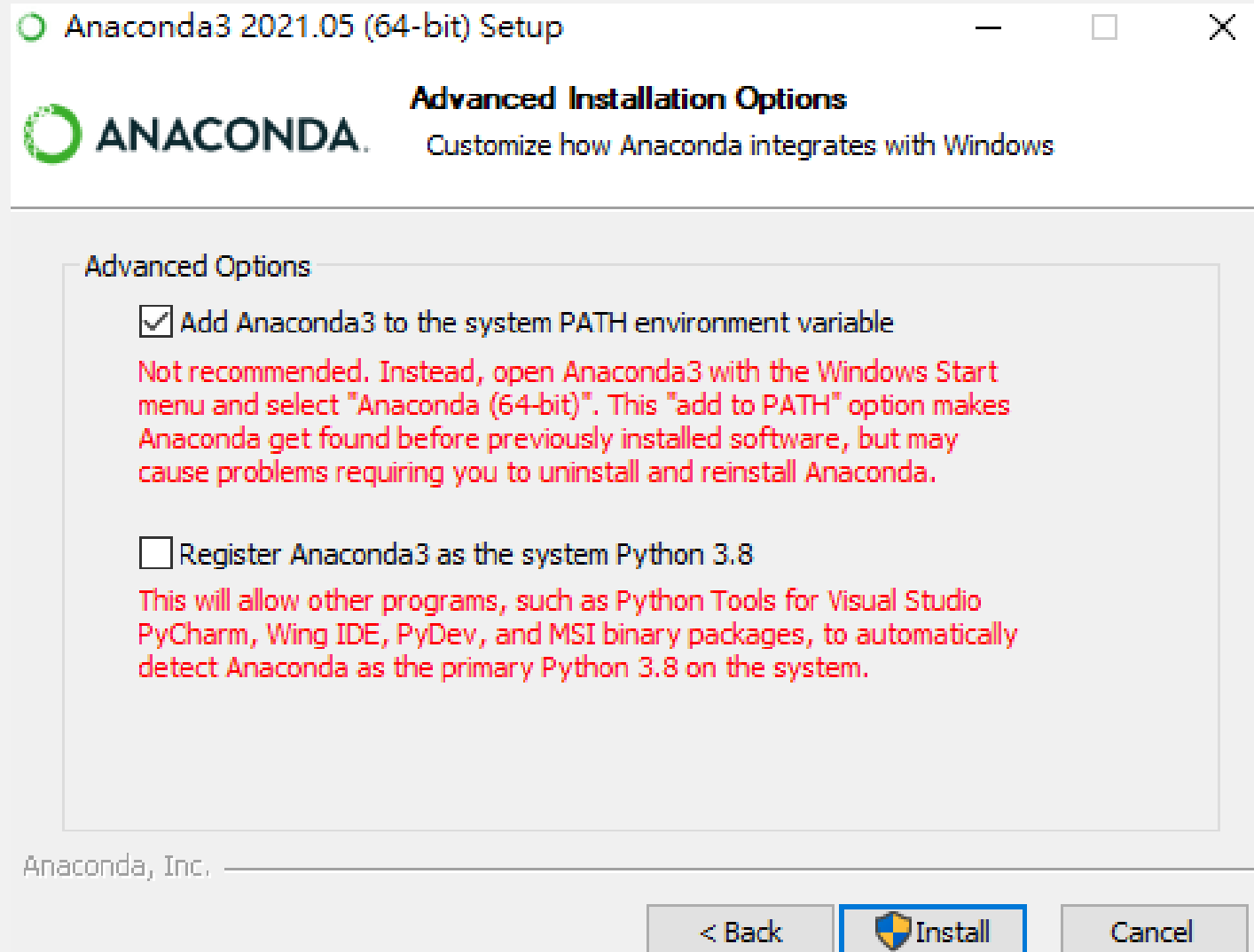
https://www.anaconda.com/products/individual

Anaconda
Why?

Important

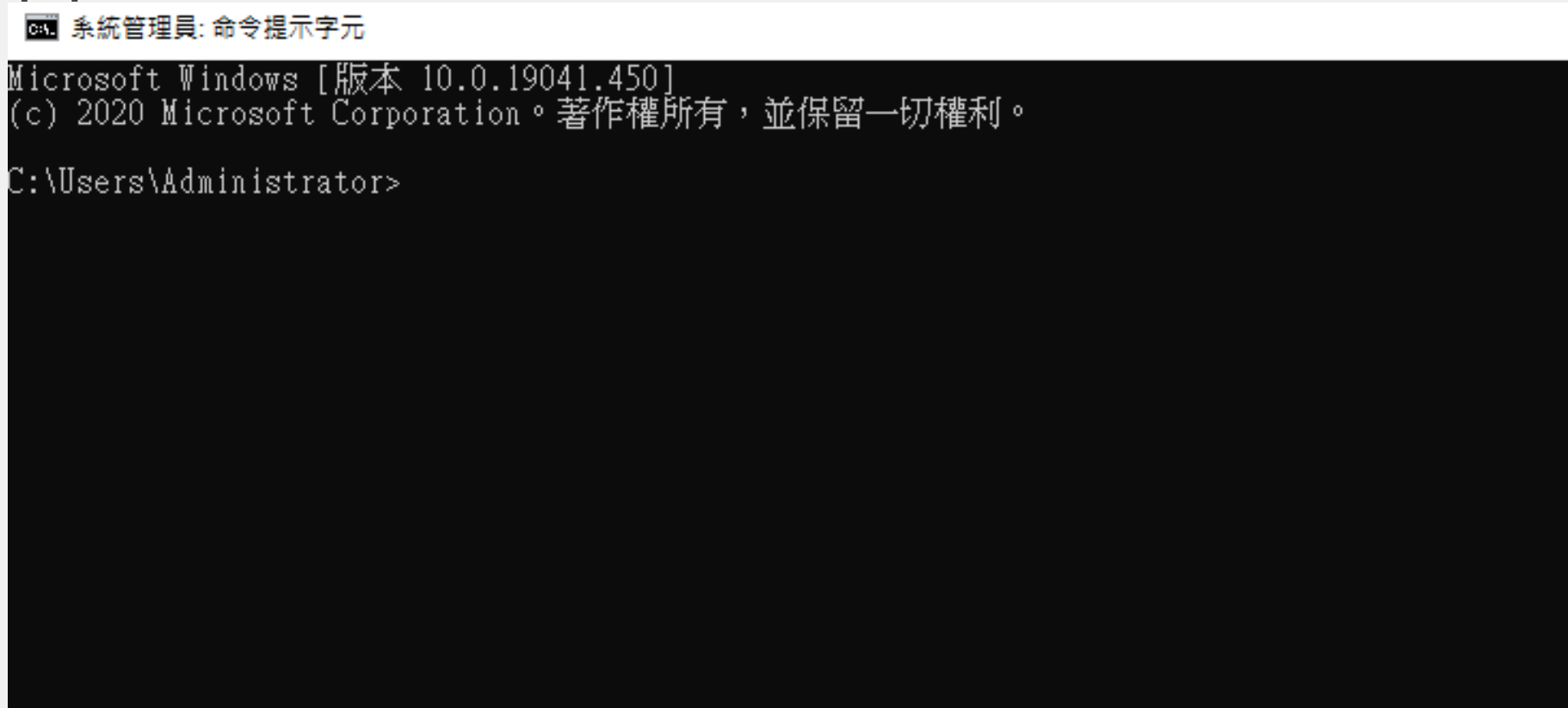# Anaconda
Tips of Anaconda

Windows command line (avoid the powershell and anaconda prompt)

Virtual environment

conda or pip commands

Anaconda
Tips of Anaconda

Virtual Environment

- ➢ conda create -n "envname" python=="version"

Anaconda
Tips of Anaconda

Virtual Environment

➢ conda create -n "envname" python=="version"

Anaconda
Tips of Anaconda

Virtual Environment

> ➤ Install completely - activate CI

Anaconda
Tips of Anaconda

Virtual Environment

➢ Install packages in environment

- conda install "package name"

```
(CI) C:\Users\Administrator>conda install numpy
Collecting package metadata (current_repodata.json): done
Solving environment: done


==> WARNING: A newer version of conda exists. <==
  current version: 4.10.1
  latest version: 4.10.3

Please update conda by running

    $ conda update -n base -c defaults conda



## Package Plan ##

  environment location: D:\ProgramEnvironment\Anaconda3\envs\CI

  added / updated specs:
    - numpy


The following NEW packages will be INSTALLED:

  blas               pkgs/main/win-64::blas-1.0-mkl
  intel-openmp       pkgs/main/win-64::intel-openmp-2021.3.0-haa95532_3372
  mkl                pkgs/main/win-64::mkl-2021.3.0-haa95532_524
  mkl-service        pkgs/main/win-64::mkl-service-2.4.0-py38h2bbff1b_0
  mkl_fft            pkgs/main/win-64::mkl_fft-1.3.0-py38h277e83a_2
  mkl_random         pkgs/main/win-64::mkl_random-1.2.2-py38hf11a4ad_0
  numpy              pkgs/main/win-64::numpy-1.20.3-py38ha4e8547_0
  numpy-base         pkgs/main/win-64::numpy-base-1.20.3-py38hc2deb75_0
  six                pkgs/main/noarch::six-1.16.0-pyhd3eb1b0_0


Proceed ([y]/n)?
```

Anaconda
Tips of Anaconda

Virtual Environment

➤ Install packages in environment

- pip install "package name"

```
(CI) C:\Users\Administrator>pip install numpy
Collecting numpy
  Downloading numpy-1.21.1-cp38-cp38-win_amd64.whl (14.0 MB)
     |                                        14.0 MB 6.4 MB/s
Installing collected packages: numpy
Successfully installed numpy-1.21.1

(CI) C:\Users\Administrator>
```