

# 환경 구축

2024. 05. 06

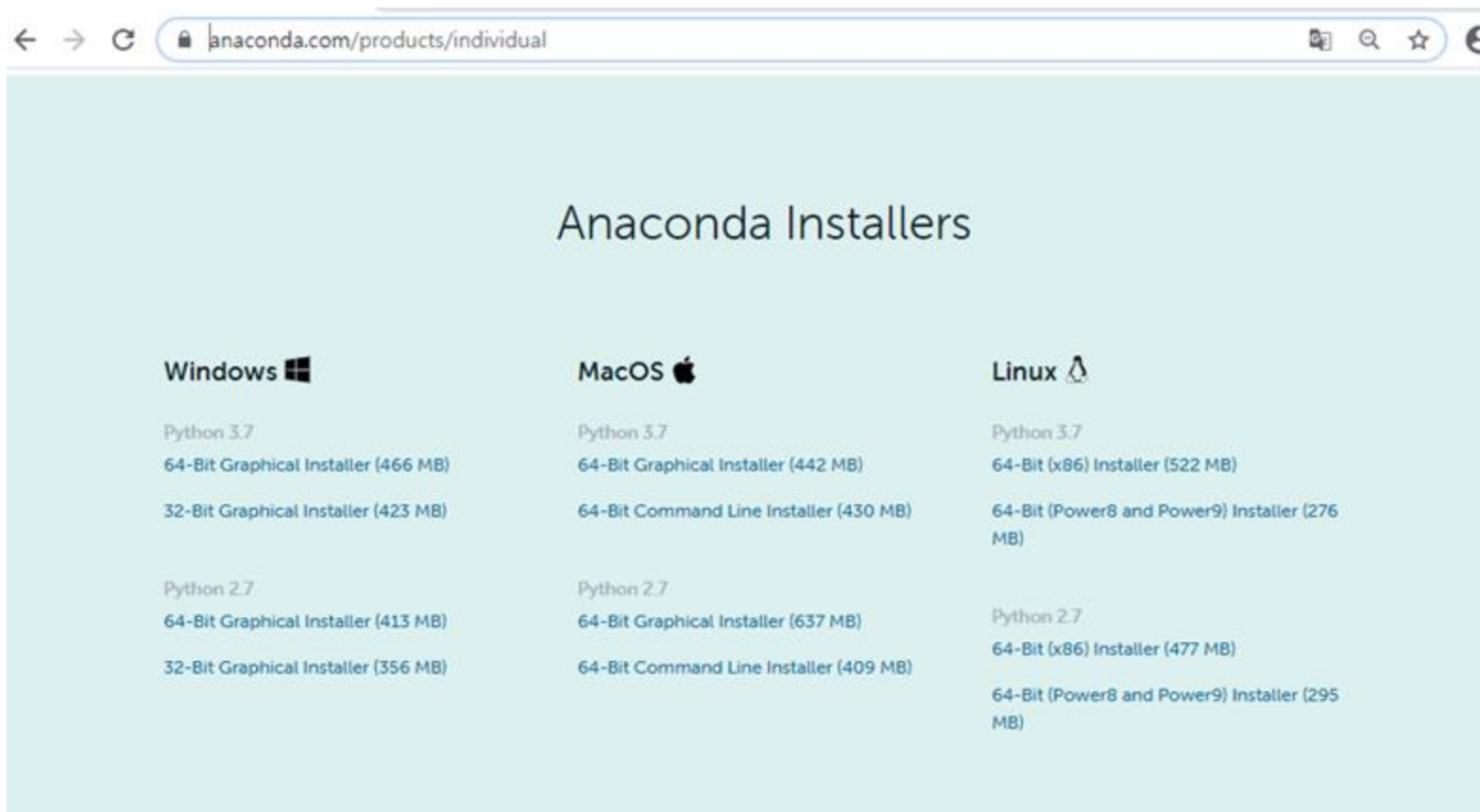


# 아나콘다 설치

아나콘다 URL(<https://www.anaconda.com/products/individual>)

다운로드 : 64-Bit Graphical Installer (466 MB)

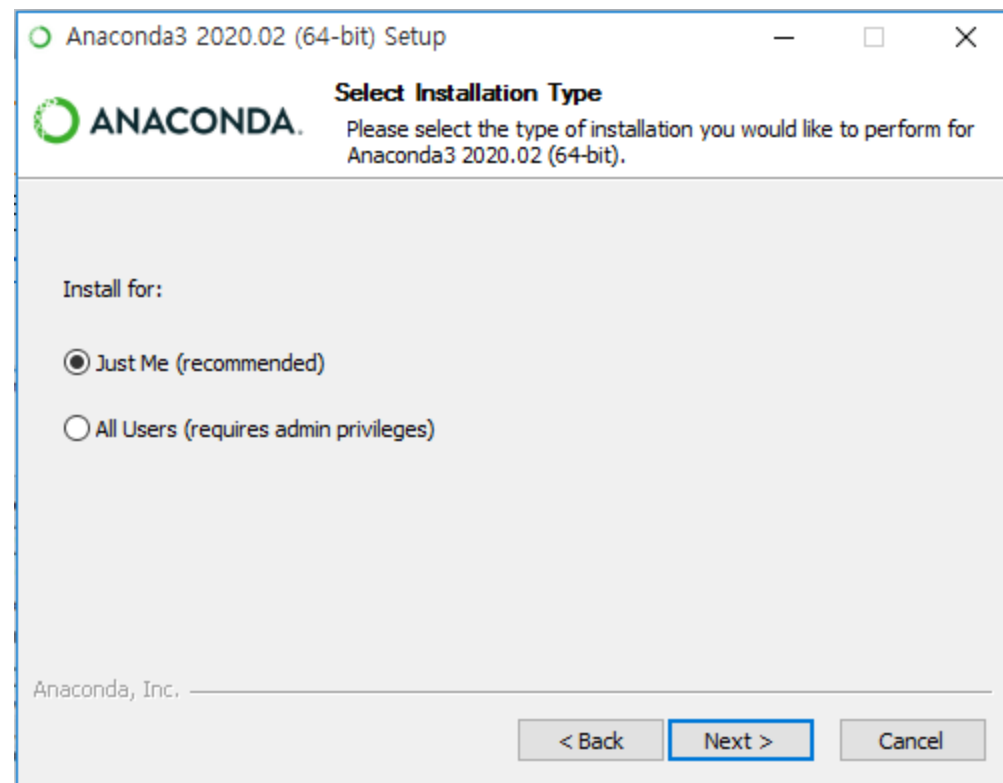
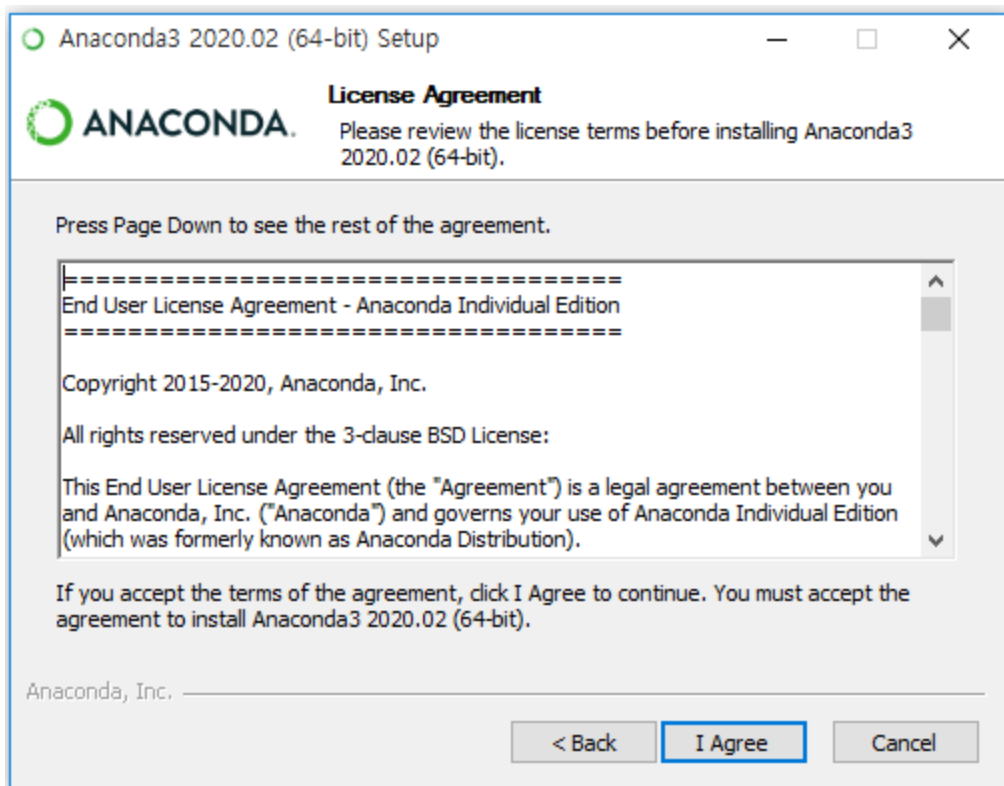
다운로드 후 파일 : Anaconda3-2020.02-Windows-x86\_64



# 아나콘다 설치

아나콘다

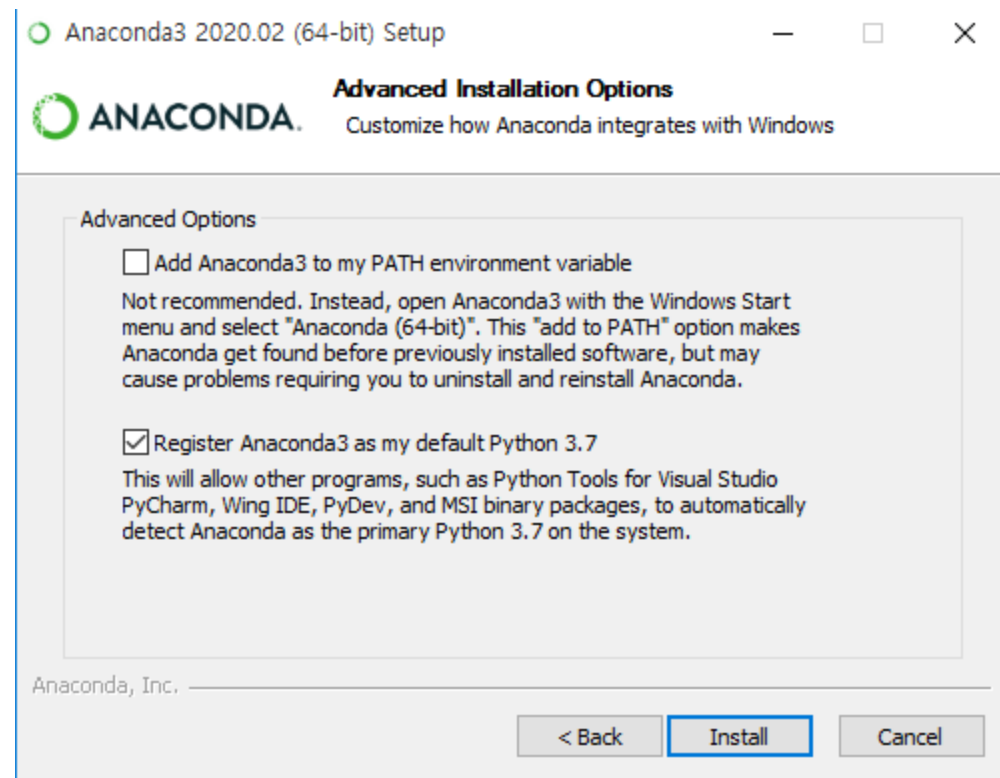
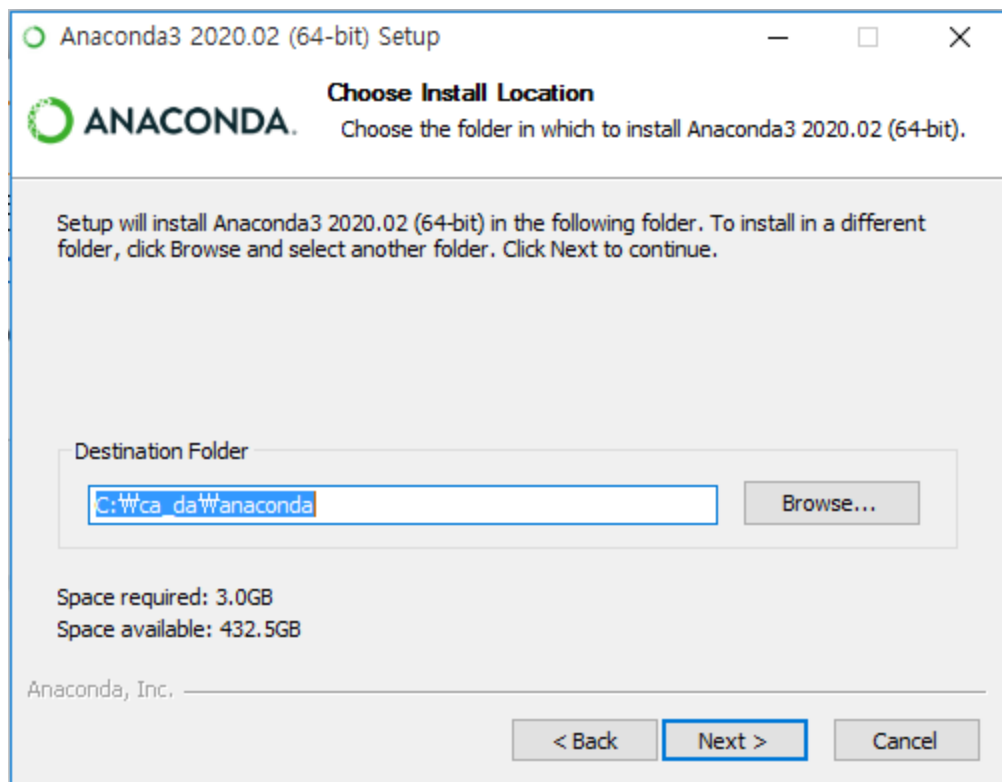
URL(<https://www.anaconda.com/products/individual>)



# 아나콘다 설치

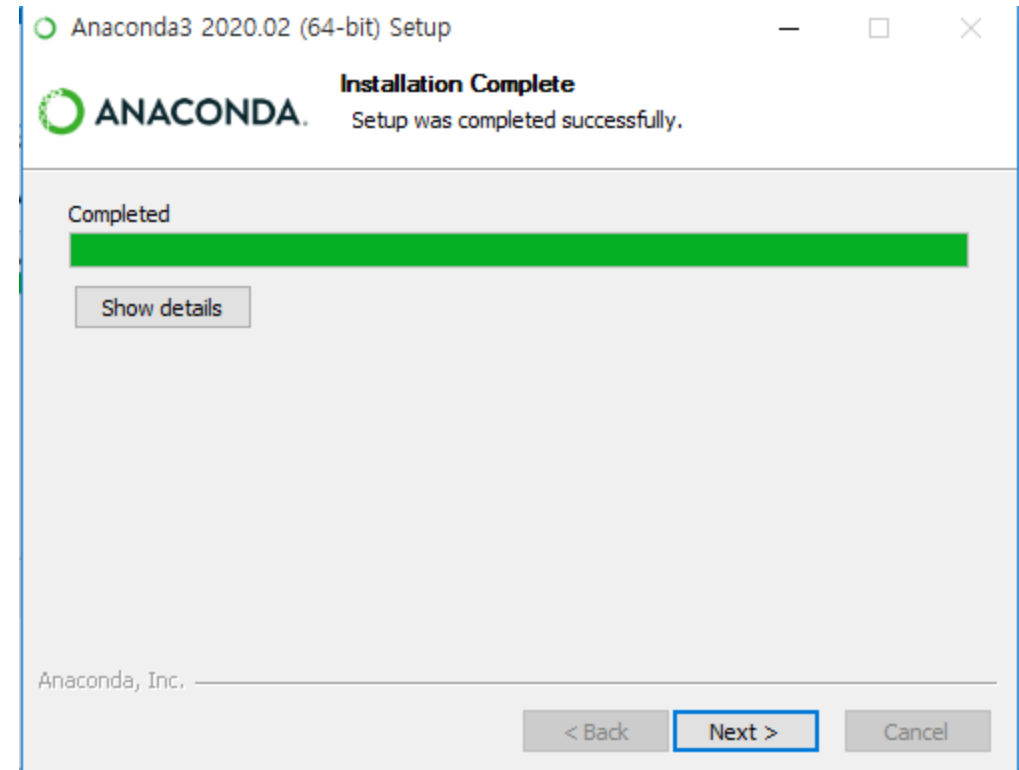
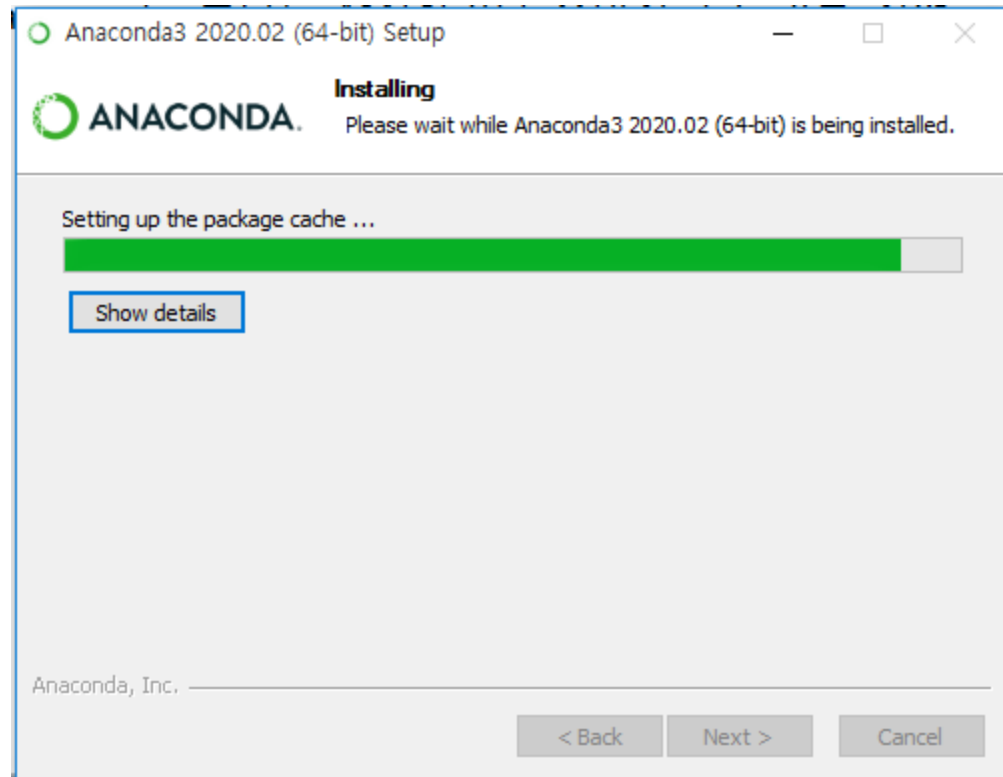
C:\ca\_da\anaconda 폴더를 작성하거나 주어진 default로 Install

C:\Wanaconda3



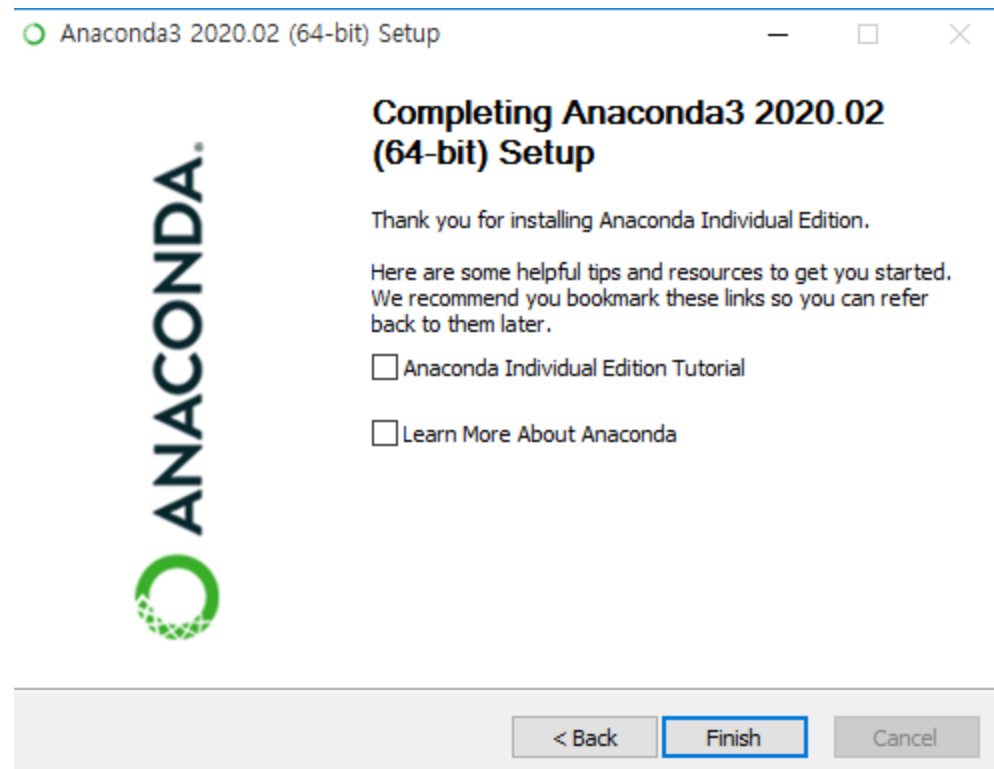
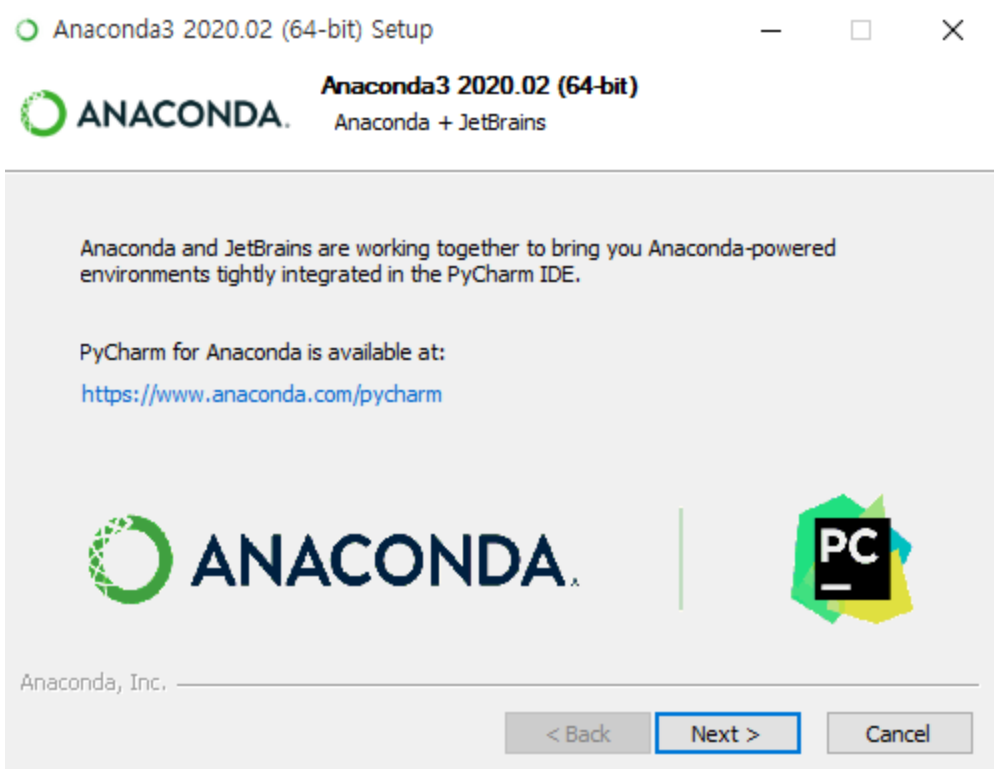
# 아나콘다 설치

Next > Next



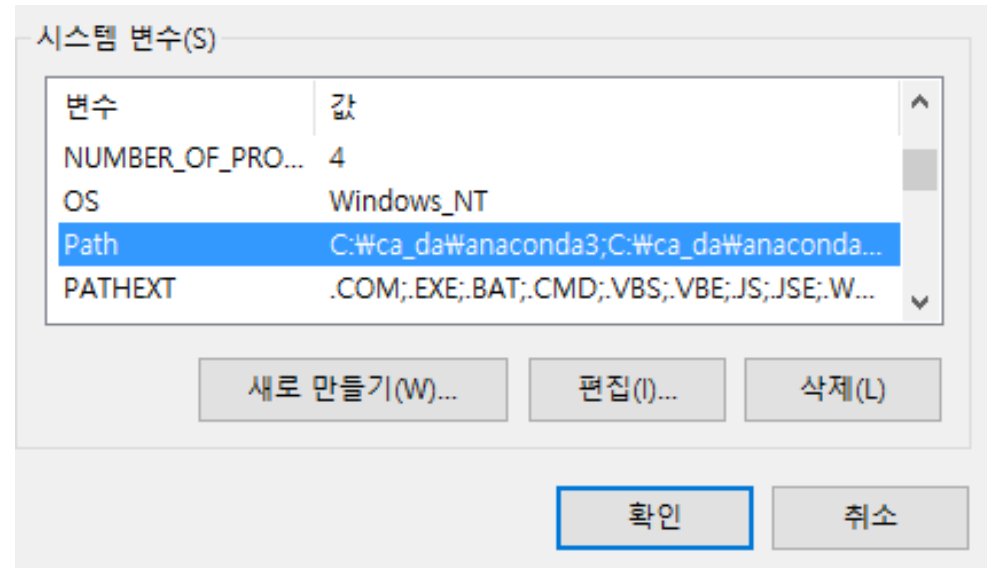
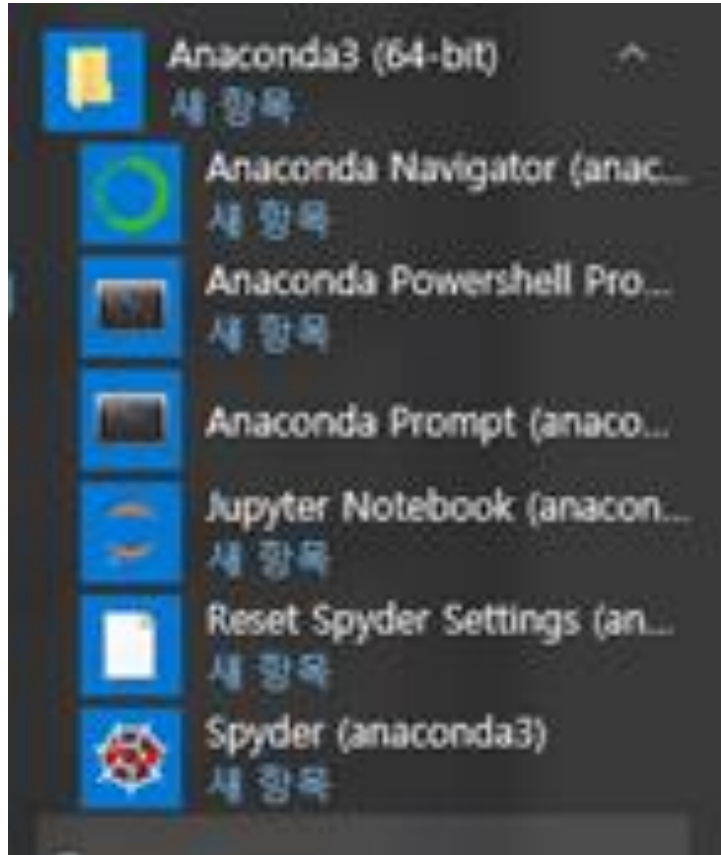
# 아나콘다 설치

Next > Finish



# 아나콘다 설치

설치후 윈도우 시작버튼을 눌러 확인하고 내PC 고급시스템 설정에서 Path 입력



C:\wca\_da\Wanaconda3;  
C:\wca\_da\WAnaconda3\Library\mingw-  
w64\bin;C:\wca\_da\WAnaconda3\Library\bin;  
C:\wca\_da\WAnaconda3\Scripts;

# 아나콘다 활용, 파이썬 가상환경 설치

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- 버전 명시 설치 : `conda create -n 가상환경명 python=3.10`
- 가상환경 시작 : `activate 가상환경명`
- Jupyter notebook 설치 : `conda install jupyter notebook`
- 패키지 설치 : `conda install numpy pandas matplotlib seaborn  
scipy scikit-learn tensorflow keras`  
# 기본채널에 패키지 부재시 : `conda install -c conda-forge`
- 가상환경 종료 : `conda deactivate`
- 가상환경 저장 : `conda env export -n 가상환경명 > 파일명.yml`
- 새로운 가상환경 생성 : `conda env create -n 가상환경명 -f ./파일명.yml`
- 가상환경 복사 : `conda create -n 생성할가상환경명 --clone 원본가상환경명`
- 가상환경 제거 : `conda env remove -n 가상환경명`

아나콘다 환경 export, import, clone 하기 : <https://jh-bk.tistory.com/35>



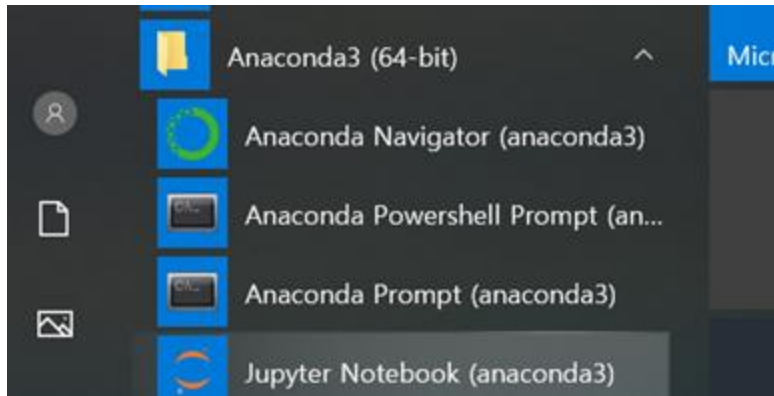
# Anaconda 명령어

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- 설치된 패키지 : `conda list`
- 패키지 업데이트 : `conda update pandas, conda update -all`
- 패키지 제거 : `conda remove pandas`
- 설치된 패키지 검색 : `conda search pandas`
- 가상환경 시작 : `activate 가상환경명`
- 가상환경 종료 : `conda deactivate`

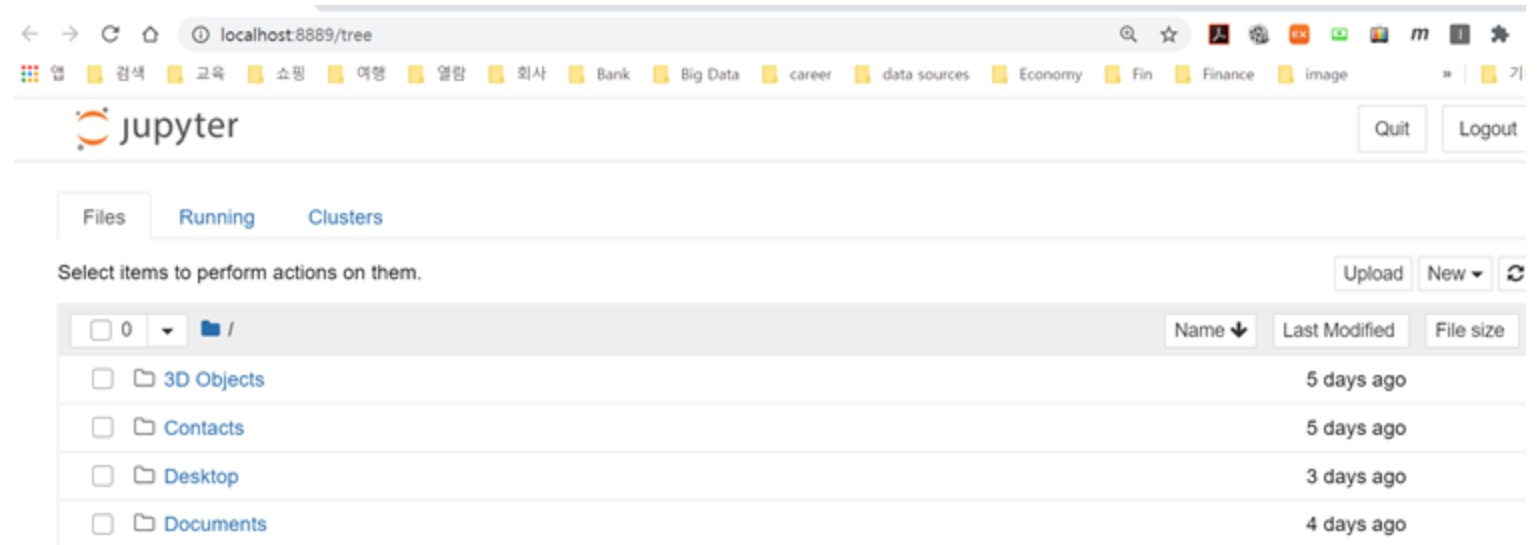
# Jupyter notebook 실행

설치후 윈도우 시작버튼  
을 눌러 Anaconda3에  
있는 Jupyter Notebook  
을 클릭



```
Jupyter Notebook (anaconda3)
11:40:25.209 NotebookApp The port 8888 is already in use, trying another port.
11:40:25.490 NotebookApp JupyterLab extension loaded from C:\Wanaconda3\lib\site-packages\jupyterlab
11:40:25.490 NotebookApp JupyterLab application directory is C:\Wanaconda3\share\jupyterlab
11:40:25.490 NotebookApp Serving notebooks from local directory: C:\Users\Wkevin
11:40:25.490 NotebookApp The Jupyter Notebook is running at:
11:40:25.490 NotebookApp http://localhost:8889/?token=f3cc74f2710e82ca46161a8787533bd1434b8dbd37cdc239
11:40:25.490 NotebookApp or http://127.0.0.1:8889/?token=f3cc74f2710e82ca46161a8787533bd1434b8dbd37cdc239
11:40:25.490 NotebookApp Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
C 11:40:25.521 NotebookApp

To access the notebook, open this file in a browser:
file:///C:/Users/kevin/AppData/Roaming/jupyter/runtime/nbserver-14528-open.html
Or copy and paste one of these URLs:
http://localhost:8889/?token=f3cc74f2710e82ca46161a8787533bd1434b8dbd37cdc239
or http://127.0.0.1:8889/?token=f3cc74f2710e82ca46161a8787533bd1434b8dbd37cdc239
```



# Jupyter notebook – 작업폴더 지정

시작버튼 Anaconda3 > Jupyter notebook 우클릭 > 자세히 > 파일 위치 열기  
Jupyter notebook(anaconda3) 파일 우클릭 > 속성 클릭

