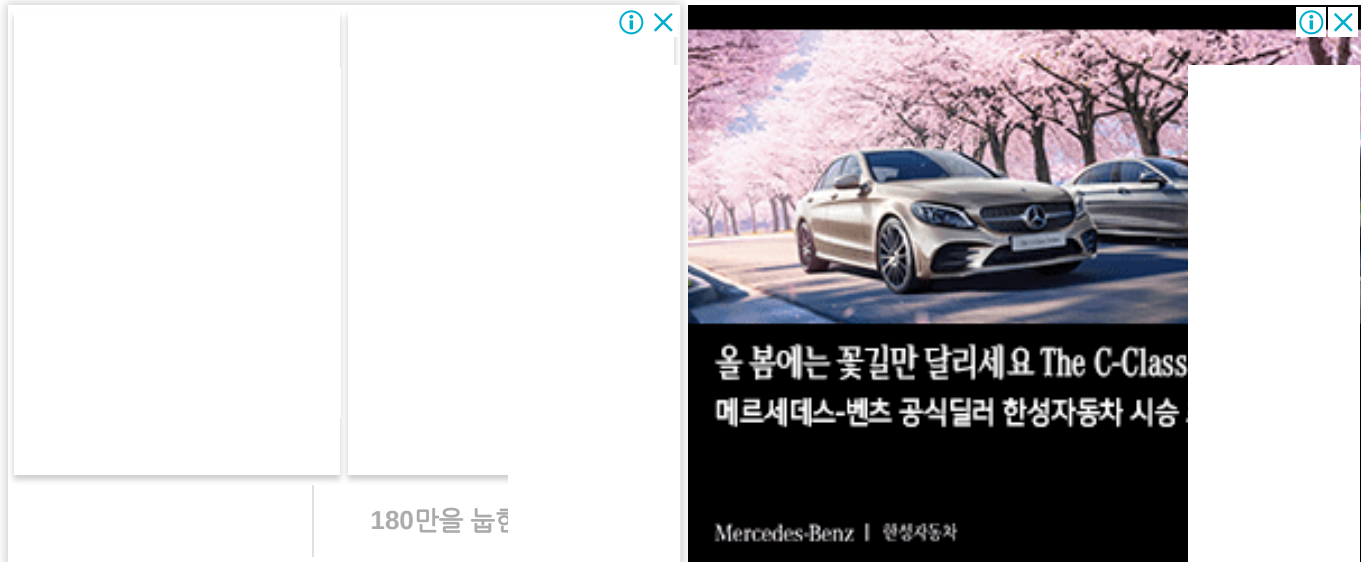


[아나콘다] Conda 일반명령어 (Conda general commands)

2018. 12. 25. 10:14

#Anaconda #coding #Command #conda #copy #General #아나콘다 #일반명령어



아나콘다에서 패키지를 설치 하거나 신규 환경을 만들거나 텐서플로를 설치를 할때 그냥 따라하기만 하고 나면 뭐가 뭔지 잘 모를 수 있습니다.

사용하는 명령어가 어떤 기능을 하는지 기초적인 명령어만 알아도 설치할 때 지금 내가 뭘 짓을 하고 있는지 알 수 있습니다.



자주 사용하는 용어를 몇 개 설명 합니다.

pip 명령어도 업데이트를 “pip install -upgrade” 이런 식으로 사용하는 것 빼고는 사용법이 비슷합니다.

명령어

설명

conda --version	설치된 아나콘다 버전 확인
conda clean	설치된 패키지를 모두 삭제
conda create	새로운 가상환경 생성
conda config	설정 보기, 신규 설정, 수정등
conda info	설치된 아나콘다 정보
conda install	패키지 설치
conda list	설치된 패키지 정보(환경 별로 다름)
conda remove	설치된 패키지 삭제
conda search	설치된 패키지 조회
conda uninstall	Alias for conda remove
conda update	최신 버전으로 업데이트
conda upgrade	Alias for conda update

사용법은 **conda** [**command**] [-n **environment name**] [**package_spec**] 대부분 이런식입니다.

여기에서는 자주 사용하는 일부 명령어만 정리 되었습니다.

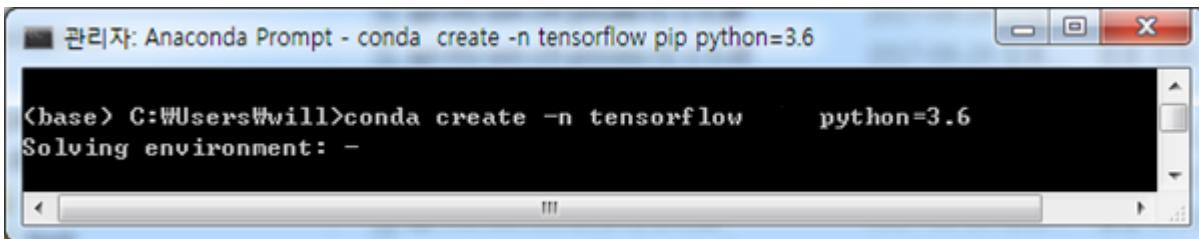
좀더 자세한 내용은 아나콘다 사이트를 찾아보시면 더 많은 명령어가 자세히 설명이 되어 있습니다.

- conda create

새로운 가상 환경을 생성 합니다.

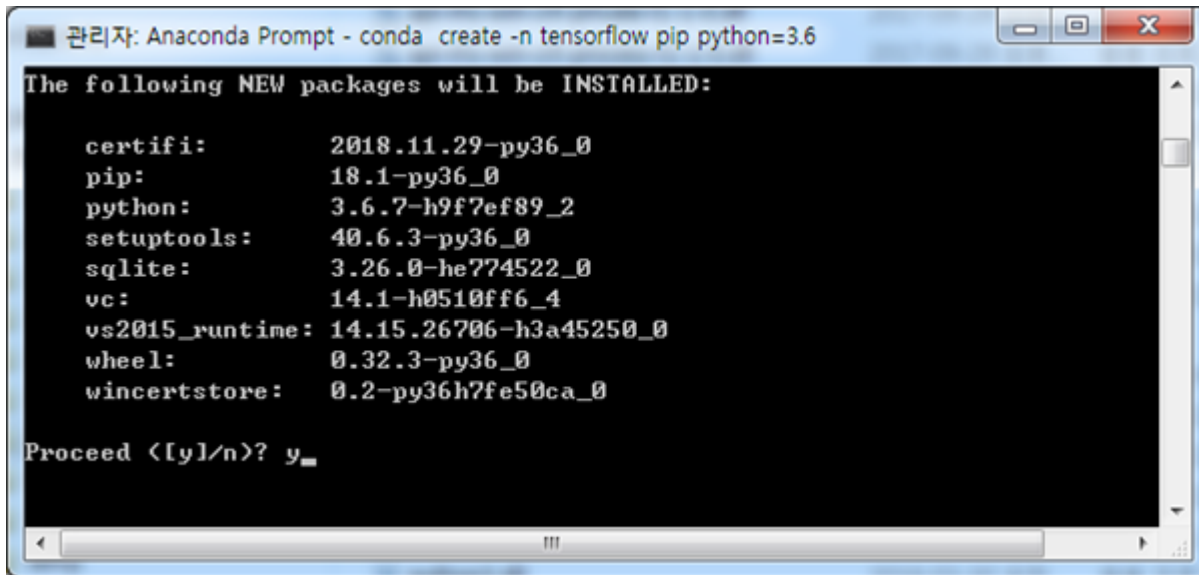
>**conda create -n tensorflow python=3.6**

tensorflow라는 새로운 환경을 python 3.6 버전으로 생성 합니다.



```
관리자: Anaconda Prompt - conda create -n tensorflow pip python=3.6

(base) C:\Users\will>conda create -n tensorflow      python=3.6
Solving environment: -
```

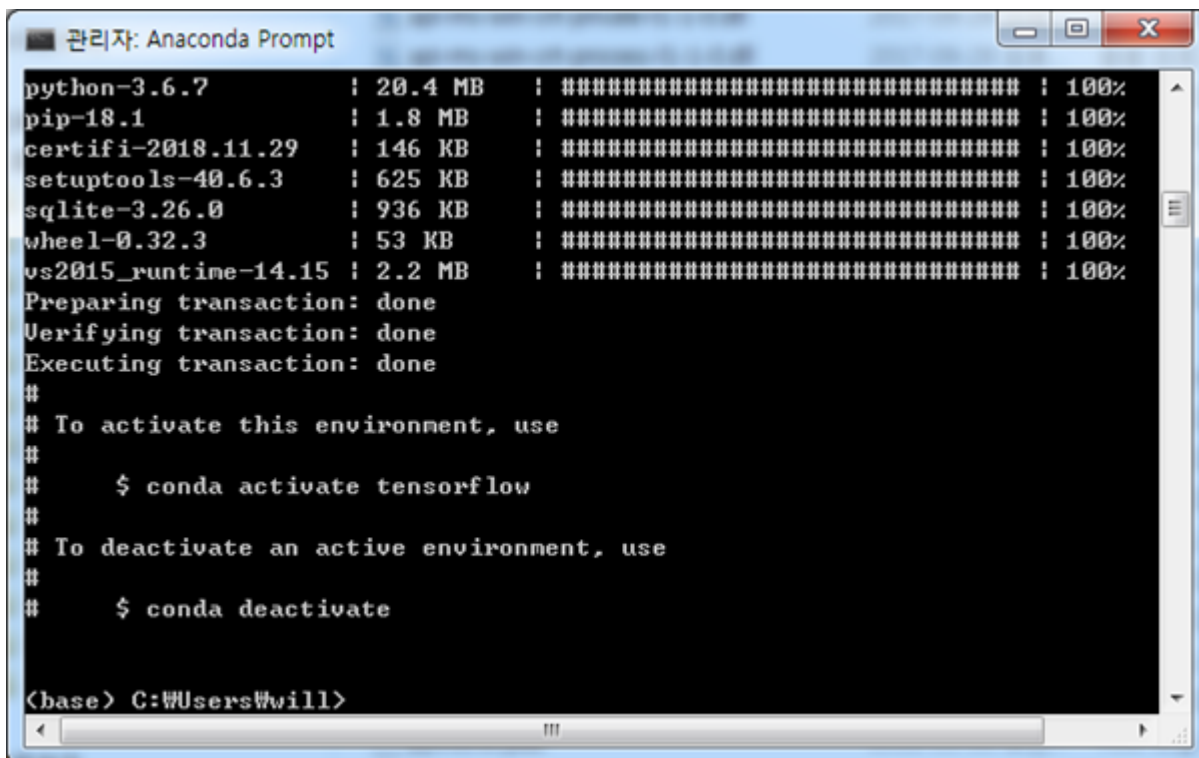


```
관리자: Anaconda Prompt - conda create -n tensorflow pip python=3.6

The following NEW packages will be INSTALLED:

certifi:                2018.11.29-py36_0
pip:                    18.1-py36_0
python:                 3.6.7-h9f7ef89_2
setuptools:             40.6.3-py36_0
sqlite:                 3.26.0-he774522_0
vc:                     14.1-h0510ff6_4
vs2015_runtime:         14.15.26706-h3a45250_0
wheel:                  0.32.3-py36_0
wincertstore:           0.2-py36h7fe50ca_0

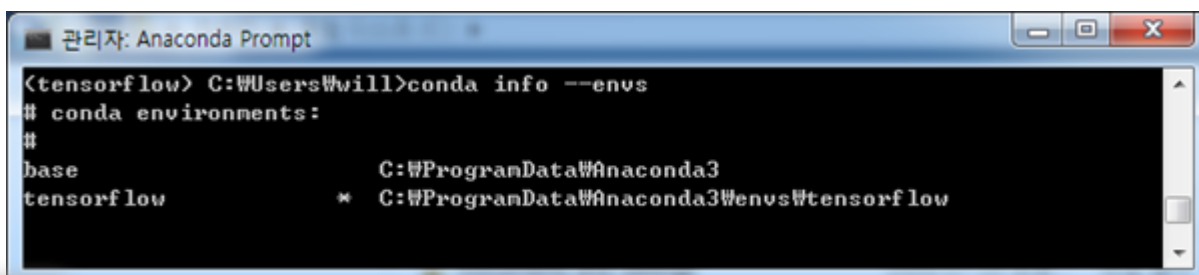
Proceed <[y]/n>? y_
```



```
관리자: Anaconda Prompt

python-3.6.7            : 20.4 MB   : ##### : 100%
pip-18.1                : 1.8 MB   : ##### : 100%
certifi-2018.11.29      : 146 KB   : ##### : 100%
setuptools-40.6.3       : 625 KB   : ##### : 100%
sqlite-3.26.0           : 936 KB   : ##### : 100%
wheel-0.32.3            : 53 KB    : ##### : 100%
vs2015_runtime-14.15    : 2.2 MB   : ##### : 100%
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#     $ conda activate tensorflow
#
# To deactivate an active environment, use
#
#     $ conda deactivate
#
(base) C:\Users\will>
```

생성된 가상환경을 조회해 봅니다.



```
관리자: Anaconda Prompt

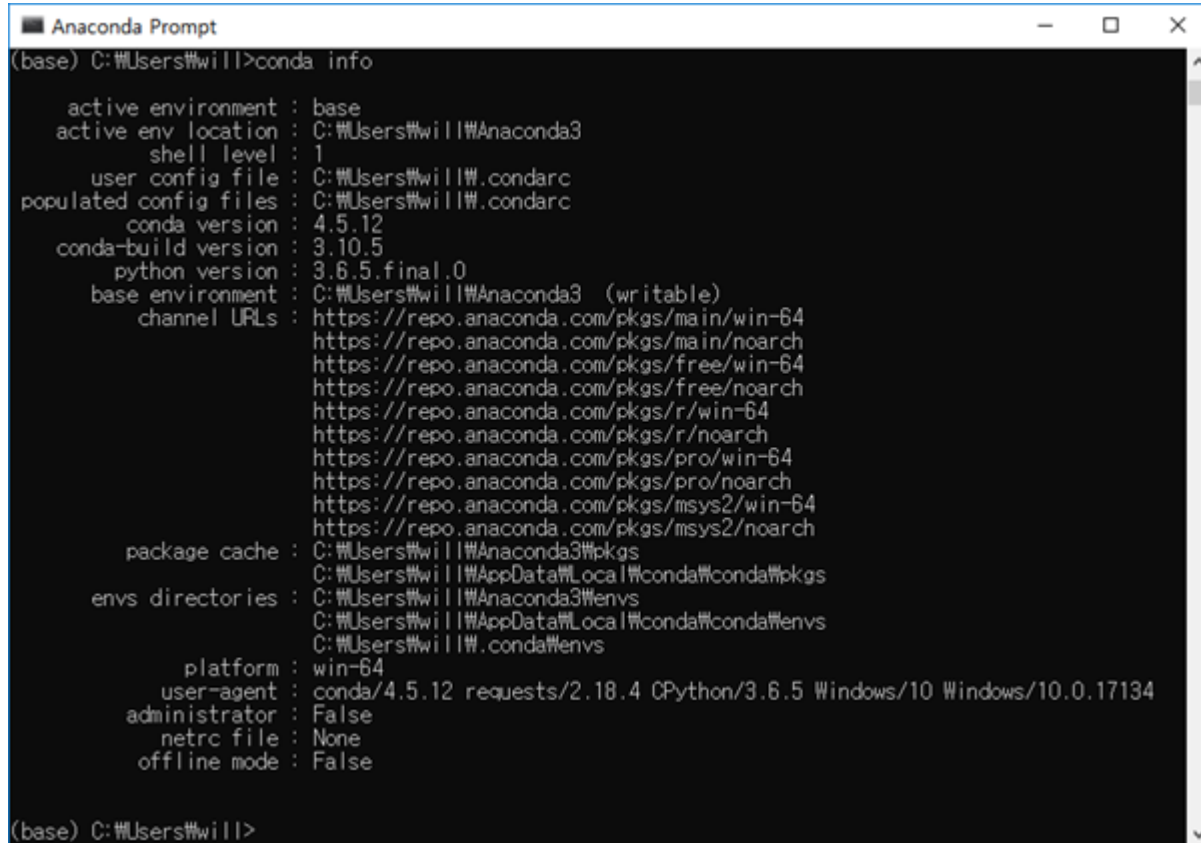
(tensorflow) C:\Users\will>conda info --envs
# conda environments:
#
base                  C:\ProgramData\Anaconda3
tensorflow            * C:\ProgramData\Anaconda3\envs\tensorflow
```

tensorflow 이름으로 생성이 되었습니다.

- conda info

> conda info

설치된 아나콘다 정보를 조회 합니다.



```

Anaconda Prompt
(base) C:\Users\will>conda info

  active environment : base
  active env location : C:\Users\will\Anaconda3
    shell level      : 1
  user config file   : C:\Users\will\condarc
  populated config files : C:\Users\will\condarc
    conda version    : 4.5.12
  conda-build version : 3.10.5
    python version   : 3.6.5.final.0
  base environment   : C:\Users\will\Anaconda3 (writable)
    channel URLs     : https://repo.anaconda.com/pkgs/main/win-64
                      https://repo.anaconda.com/pkgs/main/noarch
                      https://repo.anaconda.com/pkgs/free/win-64
                      https://repo.anaconda.com/pkgs/free/noarch
                      https://repo.anaconda.com/pkgs/r/win-64
                      https://repo.anaconda.com/pkgs/r/noarch
                      https://repo.anaconda.com/pkgs/pro/win-64
                      https://repo.anaconda.com/pkgs/pro/noarch
                      https://repo.anaconda.com/pkgs/msys2/win-64
                      https://repo.anaconda.com/pkgs/msys2/noarch
    package cache    : C:\Users\will\Anaconda3\pkgs
                      C:\Users\will\AppData\Local\conda\conda\pkgs
    envs directories : C:\Users\will\Anaconda3\envs
                      C:\Users\will\AppData\Local\conda\conda\envs
                      C:\Users\will\condarc\envs
    platform         : win-64
    user-agent       : conda/4.5.12 requests/2.18.4 CPython/3.6.5 Windows/10 Windows/10.0.17134
  administrator     : False
    netrc file       : None
    offline mode     : False

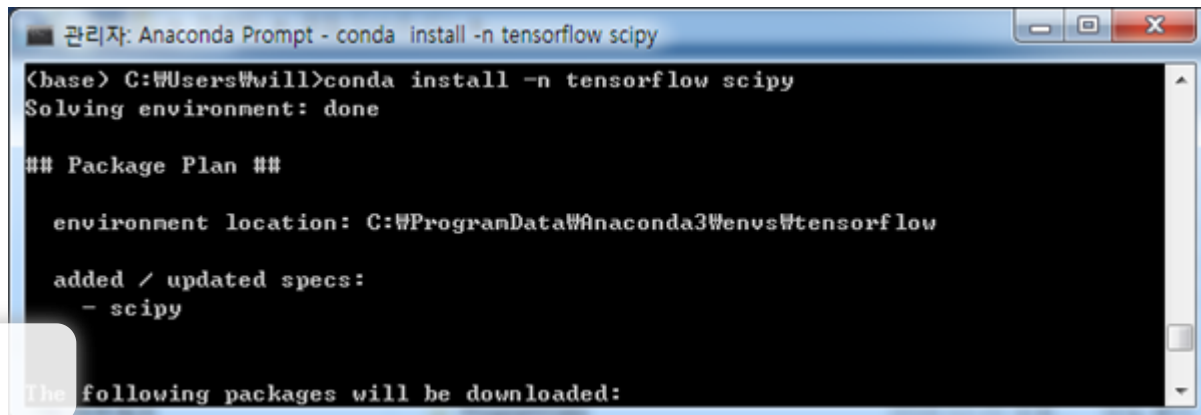
(base) C:\Users\will>
```

- conda install

신규 패키지를 설치 합니다.

> conda install -n tensorflow scipy

tensorflow 가상 환경에 scipy를 설치 합니다.



```

관리자: Anaconda Prompt - conda install -n tensorflow scipy
(base) C:\Users\will>conda install -n tensorflow scipy
Solving environment: done

## Package Plan ##

  environment location: C:\ProgramData\Anaconda3\envs\tensorflow

  added / updated specs:
    - scipy

The following packages will be downloaded:
```

- conda list

>conda list

현재 가상환경에 설치된 패키지 리스트를 조회 합니다.

(base)에서 조회시 base 설치된 리스트가 조회 됩니다.

```
(base) C:\Users\will>conda list
# packages in environment at C:\Users\will\Anaconda3:
#
# Name                                Version                                Build                                Channel
_ipyw_jlab_nb_ext_conf                0.1.0                                py36he6757f0_0
absl-py                               0.6.1                                <pip>
alabaster                             0.7.10                               py36hcd07829_0
anaconda                              5.2.0                                py36_3
anaconda-client                       1.6.14                               py36_0
anaconda-navigator                    1.8.7                                 py36_0
anaconda-project                      0.8.2                                py36hfad2e28_0
asn1crypto                            0.24.0                               py36_0
astor                                 0.7.1                                <pip>
astroid                               1.6.3                                py36_0
astropy                               3.0.2                                py36h452e1ab_1
attrs                                 18.1.0                               py36_0
babel                                 2.5.3                                py36_0
backcall                              0.1.0                                py36_0
backports                             1.0                                   py36h81696a8_1
backports.shutil_get_terminal_size    1.0.0                                py36h79ab834_2
beautifulsoup4                        4.6.0                                py36hd4cc5e8_1
bitarray                              0.8.1                                py36hfa6e2cd_1
bkcharts                              0.2                                   py36h7e685f7_0
blas                                  1.0                                   mkl
blaze                                 0.11.3                               py36h8a29ca5_0
bleach                                2.1.3                                py36_0
blosc                                 1.14.3                               he51fdeb_0
bokeh                                 0.12.16                              py36_0
boto                                  2.48.0                               py36h1a776d2_1
bottleneck                           1.2.1                                py36hd119dfa_0
bzip2                                 1.0.6                                hfa6e2cd_5
ca-certificates                       2018.03.07                           0                                   anaconda
certifi                               2018.4.16                             py36_0                           anaconda
cffi                                  1.11.5                               py36h945400d_0
chardet                               3.0.4                                py36h420ce6e_1
click                                 6.7                                   py36hec8c647_0
cloudpickle                           0.5.3                                py36_0
clyent                                1.2.2                                py36hb10d595_1
```

너무 길어서 중간 생략

다음은 가상환경 tensorflow로 이동하여 조회한 패키지 리스트 입니다.

```
Anaconda Prompt
(tensorflow) C:\Users\will>conda list
# packages in environment at C:\Users\will\Anaconda3\envs\tensorflow:
#
# Name                        Version                        Build    Channel
absl-py                       0.6.1                         <pip>
astor                         0.7.1                         <pip>
certifi                       2018.11.29                    py36_0
gast                          0.2.0                         <pip>
grpcio                        1.17.1                        <pip>
h5py                          2.9.0                         <pip>
Keras-Applications           1.0.6                         <pip>
Keras-Preprocessing           1.0.5                         <pip>
Markdown                      3.0.1                         <pip>
numpy                         1.15.4                        <pip>
pip                           18.1                          py36_0
protobuf                      3.6.1                         <pip>
python                        3.6.7                         h9f7ef89_2
setuptools                    40.6.3                        <pip>
setuptools                    40.6.3                        py36_0
six                           1.12.0                        <pip>
sqlite                        3.26.0                        he774522_0
tensorboard                   1.12.1                        <pip>
tensorflow                    1.12.0                        <pip>
termcolor                     1.1.0                         <pip>
vc                             14.1                          h0510ff6_4
vs2015_runtime                14.15.26706                   h3a45250_0
Werkzeug                      0.14.1                         <pip>
wheel                         0.32.3                        <pip>
wheel                         0.32.3                        py36_0
wincertstore                   0.2                           py36h7fe50ca_0

(tensorflow) C:\Users\will>
```

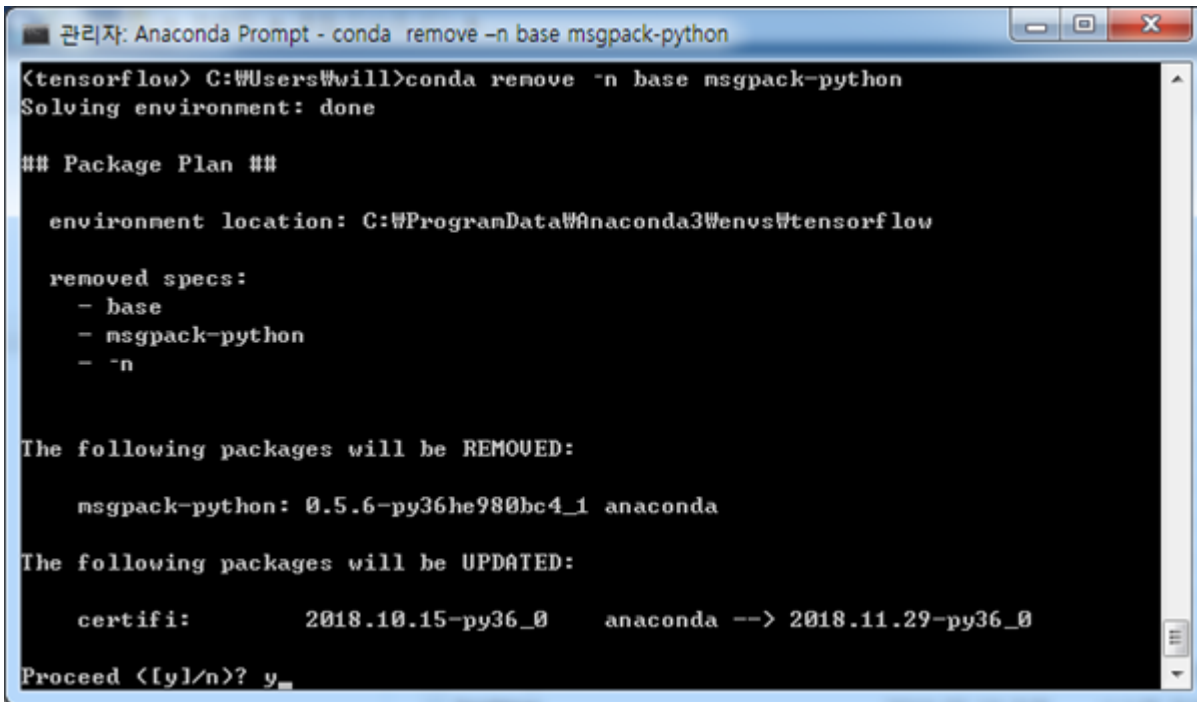
한 화면에 다 나오는군요.

- conda remove

설치된 패키지를 삭제 합니다.

>**conda remove -n base msgpack-python**

base에 설치한 msgpack-python를 제거 합니다.



```
관리자: Anaconda Prompt - conda remove -n base msgpack-python

<tensorflow> C:\Users\will>conda remove -n base msgpack-python
Solving environment: done

## Package Plan ##

  environment location: C:\ProgramData\Anaconda3\envs\tensorflow

removed specs:
- base
- msgpack-python
- ^n

The following packages will be REMOVED:

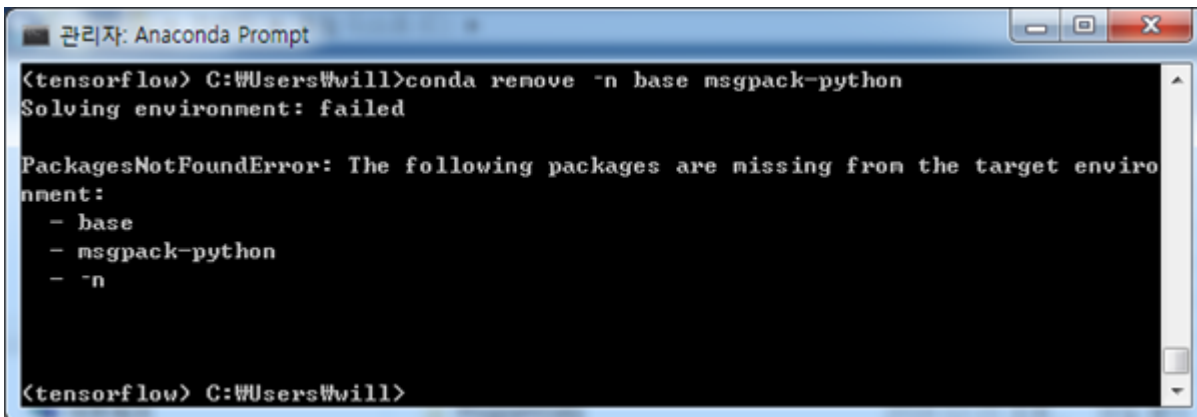
msgpack-python: 0.5.6-py36he980hc4_1 anaconda

The following packages will be UPDATED:

certifi:          2018.10.15-py36_0    anaconda --> 2018.11.29-py36_0

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

다시 삭제를 해보겠습니다.



```
관리자: Anaconda Prompt

<tensorflow> C:\Users\will>conda remove -n base msgpack-python
Solving environment: failed

PackagesNotFoundError: The following packages are missing from the target environment:
- base
- msgpack-python
- ^n

<tensorflow> C:\Users\will>
```

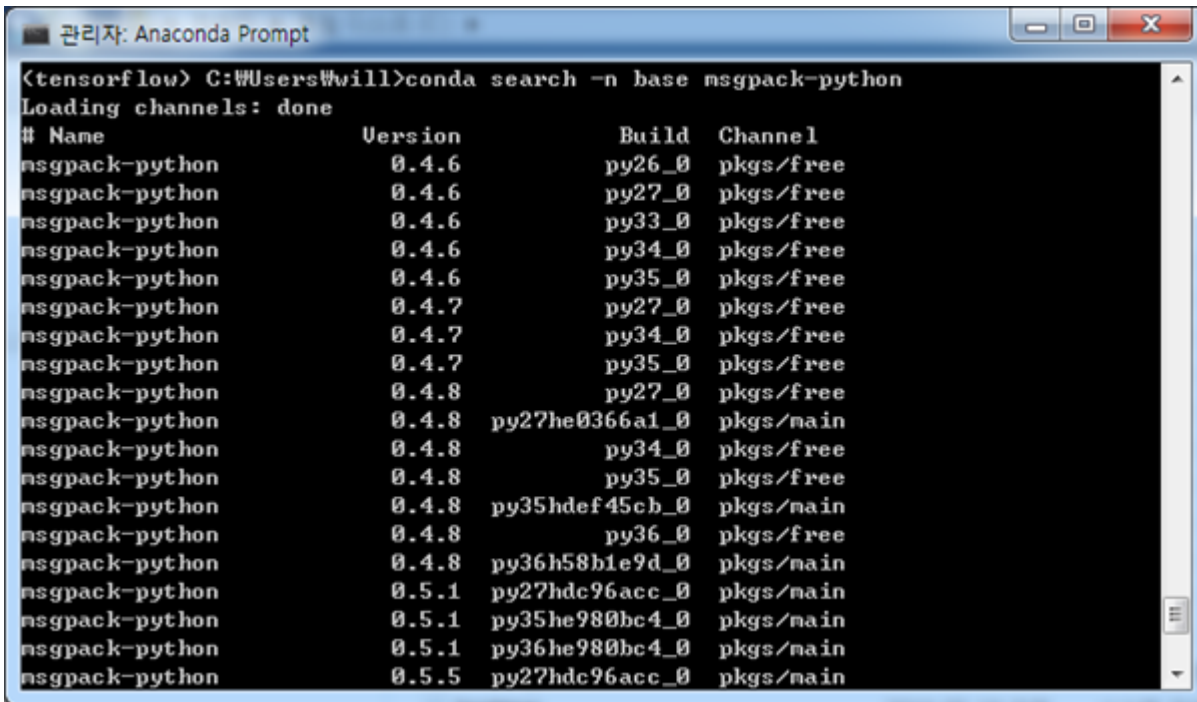
패키지를 찾을 수 없다고 하는군요.

- conda search

설치된 패키지를 조회 합니다.

>conda search -n base msgpack-python

base에 설치된 msgpack-python을 찾아 봅니다.



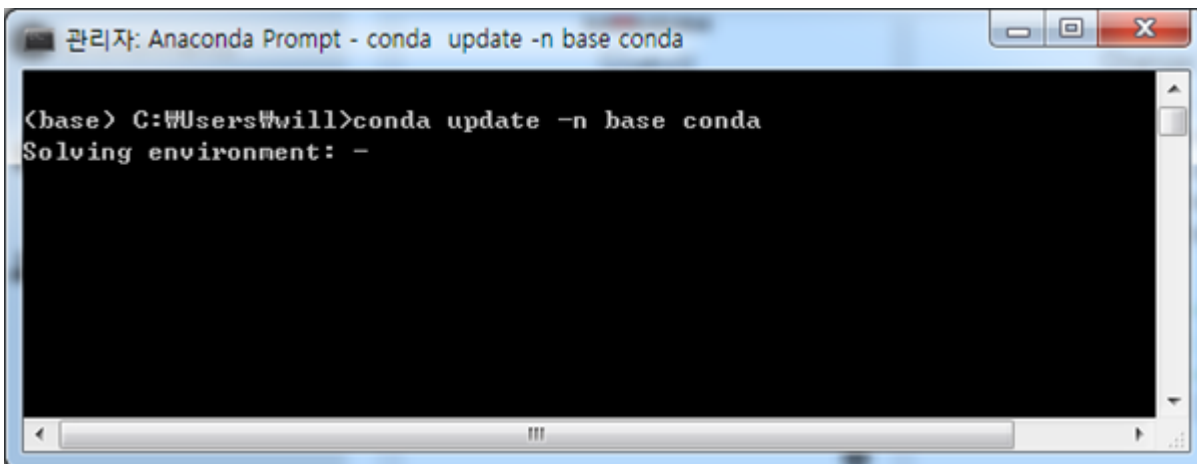
```
관리자: Anaconda Prompt
(tensorflow) C:\Users\will>conda search -n base msgpack-python
Loading channels: done
# Name                      Version      Build      Channel
msgpack-python              0.4.6        py26_0     pkgs/free
msgpack-python              0.4.6        py27_0     pkgs/free
msgpack-python              0.4.6        py33_0     pkgs/free
msgpack-python              0.4.6        py34_0     pkgs/free
msgpack-python              0.4.6        py35_0     pkgs/free
msgpack-python              0.4.7        py27_0     pkgs/free
msgpack-python              0.4.7        py34_0     pkgs/free
msgpack-python              0.4.7        py35_0     pkgs/free
msgpack-python              0.4.8        py27_0     pkgs/free
msgpack-python              0.4.8        py27he0366a1_0 pkgs/main
msgpack-python              0.4.8        py34_0     pkgs/free
msgpack-python              0.4.8        py35_0     pkgs/free
msgpack-python              0.4.8        py35hdef45cb_0 pkgs/main
msgpack-python              0.4.8        py36_0     pkgs/free
msgpack-python              0.4.8        py36h58b1e9d_0 pkgs/main
msgpack-python              0.5.1        py27hdc96acc_0 pkgs/main
msgpack-python              0.5.1        py35he980bc4_0 pkgs/main
msgpack-python              0.5.1        py36he980bc4_0 pkgs/main
msgpack-python              0.5.5        py27hdc96acc_0 pkgs/main
```

- conda update

최신 버전의 패키지로 업데이트를 진행 합니다.

>conda update -n base conda

base의 conda를 최신 버전으로 업데이트 합니다.



```
관리자: Anaconda Prompt - conda update -n base conda
(base) C:\Users\will>conda update -n base conda
Solving environment: -
```



```

관리자: Anaconda Prompt - conda update -n base conda

The following NEW packages will be INSTALLED:

    krb5:          1.16.1-hc04afaa_7

The following packages will be UPDATED:

    certifi:      2018.8.24-py37_1      --> 2018.11.29-py37_0
    conda:        4.5.11-py37_0        --> 4.5.12-py37_0
    cryptography: 2.3.1-py37h74b6da3_0 --> 2.4.2-py37h7a1dbc1_0
    curl:         7.61.0-h7602738_0    --> 7.63.0-h2a8f88b_1000
    libcurl:      7.61.0-h7602738_0    --> 7.63.0-h2a8f88b_1000
    libpng:       1.6.34-h79bbb47_0    --> 1.6.35-h2a8f88b_0
    libssh2:      1.8.0-hd619d38_4     --> 1.8.0-h7a1dbc1_4
    openssl:      1.0.2p-hfa6e2cd_0    --> 1.1.1a-he774522_0
    pycurl:       7.43.0.2-py37h74b6da3_0 --> 7.43.0.2-py37h7a1dbc1_0
    qt:          5.9.6-vc14h1e9a669_2 --> 5.9.7-vc14h73c81de_0
    sqlite:       3.24.0-h7602738_0    --> 3.26.0-he774522_0

Proceed <[y]/n>? y

```

```

관리자: Anaconda Prompt

    sqlite:       3.24.0-h7602738_0    --> 3.26.0-he774522_0

Proceed <[y]/n>? y

Downloading and Extracting Packages
openssl-1.1.1a           : 5.7 MB : ##### : 100%
certifi-2018.11.29      : 146 KB : ##### : 100%
libssh2-1.8.0           : 183 KB : ##### : 100%
krb5-1.16.1             : 819 KB : ##### : 100%
sqlite-3.26.0           : 936 KB : ##### : 100%
curl-7.63.0             : 124 KB : ##### : 100%
libpng-1.6.35           : 589 KB : ##### : 100%
conda-4.5.12            : 1.1 MB : ##### : 100%
pycurl-7.43.0.2         : 181 KB : ##### : 100%
libcurl-7.63.0          : 274 KB : ##### : 100%
cryptography-2.4.2      : 550 KB : ##### : 100%
qt-5.9.7                : 92.3 MB : ##### : 100%
Preparing transaction: done
Verifying transaction: done
Executing transaction: done

(base) C:\Users\will>

```

- copy coding -



20

구독하기

'Tensorflow > Python' 카테고리의 다른 글

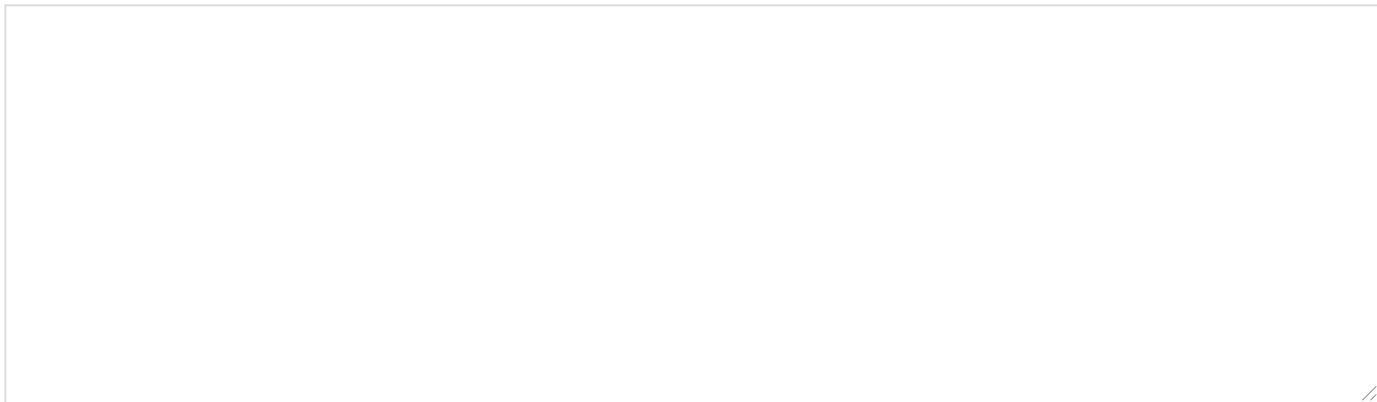
python 기초 학습 1 (0)	2019.02.25
[텐서플로우] Windows 용 Tensorflow 개발환경 구성 (Version 1.12.0) (2)	2018.12.28
[아나콘다] Conda 일반명령어 (Conda general commands) (0)	2018.12.25
아나콘다 삭제 (Anaconda Version 5.3.1) (0)	2018.12.24
아나콘다 설치 윈도우즈 7, 10 (Anaconda Version 5.2.0) - 2018년12월 (0)	2018.12.23
Python 삭제 방법 (0)	2018.12.21

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