

Anaconda 및 PyCharm 환경 설정

설치환경 : Windows10 Pro - 64bit

도리미 (dorimhan@kakao.com)

Windows 업데이트를 최신버전으로 업데이트한다.

Windows 업데이트

업데이트 상태



디바이스가 최신 상태입니다. 마지막으로 확인한 시간:
오늘, 오후 3:47

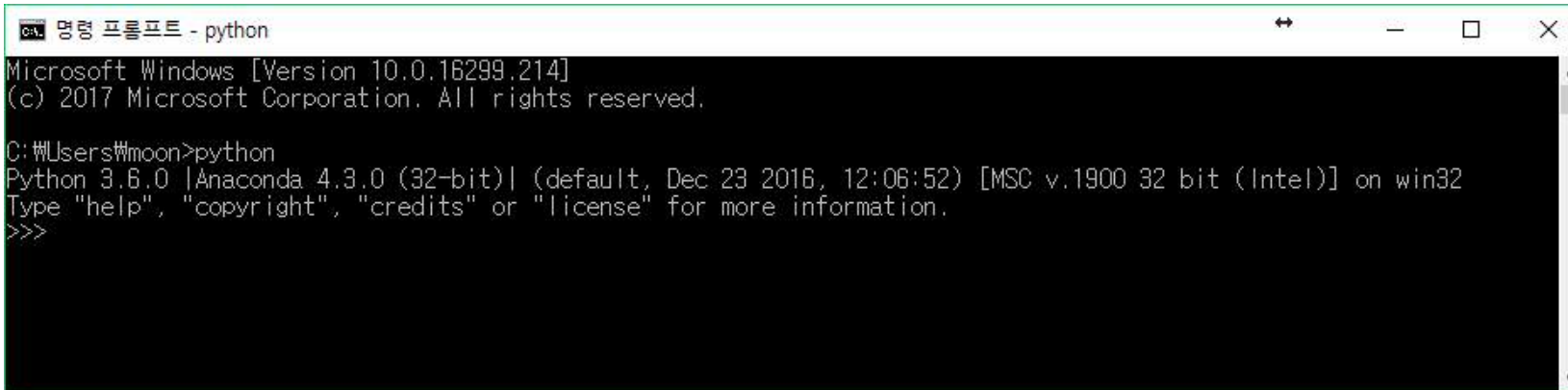
업데이트 확인

Python 3.5.3에서 Pycharm 환경 구축하기

- Anaconda 다운받기

Anaconda 다운받기

- ▶ 주소 : <https://repo.continuum.io/archive/>
- ▶ 파일명 : [Anaconda3-4.3.0-Windows-x86.exe](#)
- ▶ Anaconda를 설치 하면 python 3.6.0 이 자동으로 설치됩니다.

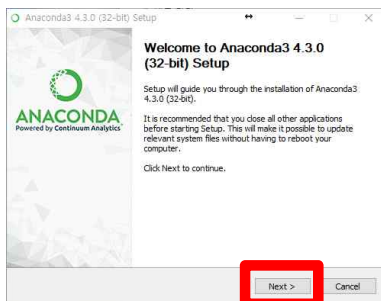


```
명령 프롬프트 - python
Microsoft Windows [Version 10.0.16299.214]
(c) 2017 Microsoft Corporation. All rights reserved.

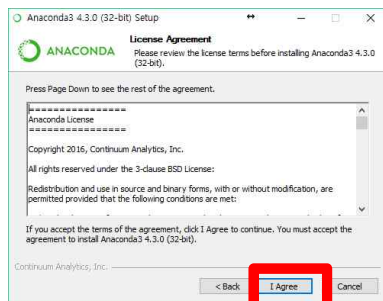
C:\Users\moon>python
Python 3.6.0 |Anaconda 4.3.0 (32-bit)| (default, Dec 23 2016, 12:06:52) [MSC v.1900 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

Anaconda 설치 하기

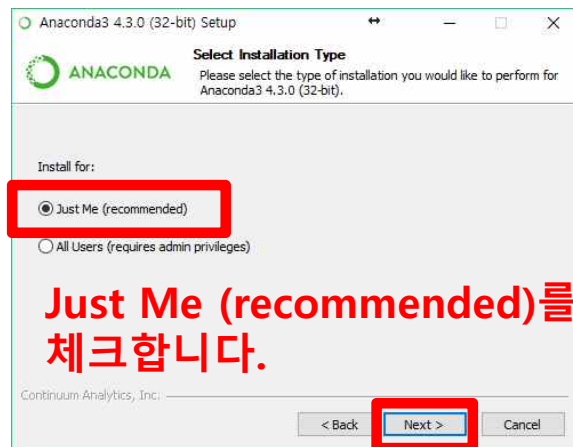
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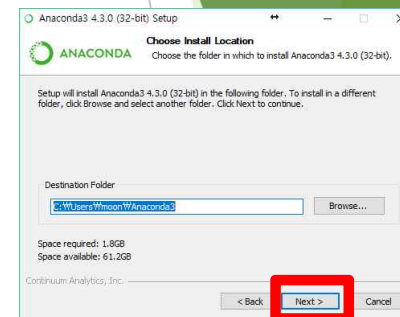
2



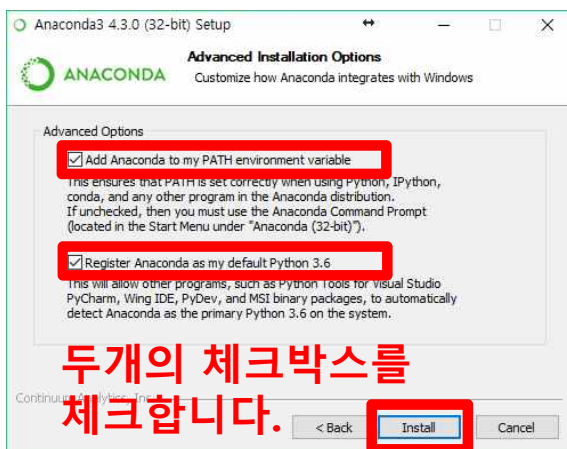
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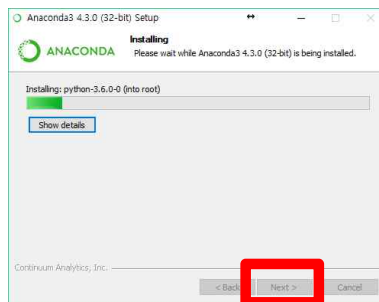
4



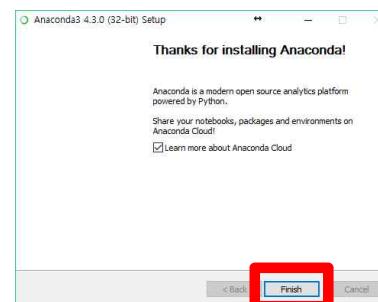
5



6



7



Python 3.5.3에서 Pycharm 환경 구축하기

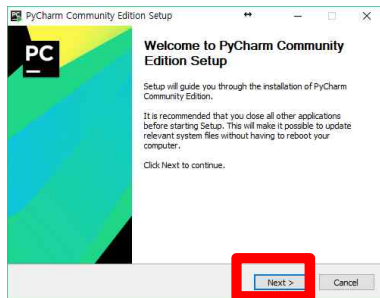
- PyCharm 다운받기

PyCharm 다운받기

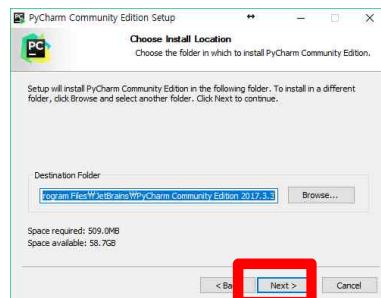
- ▶ 주소 : <https://www.jetbrains.com/pycharm/download/download-thanks.html?platform=windows&code=PCC>
- ▶ 파일명 : pycharm-community-2017.3.3.exe

PyCharm 설치하기

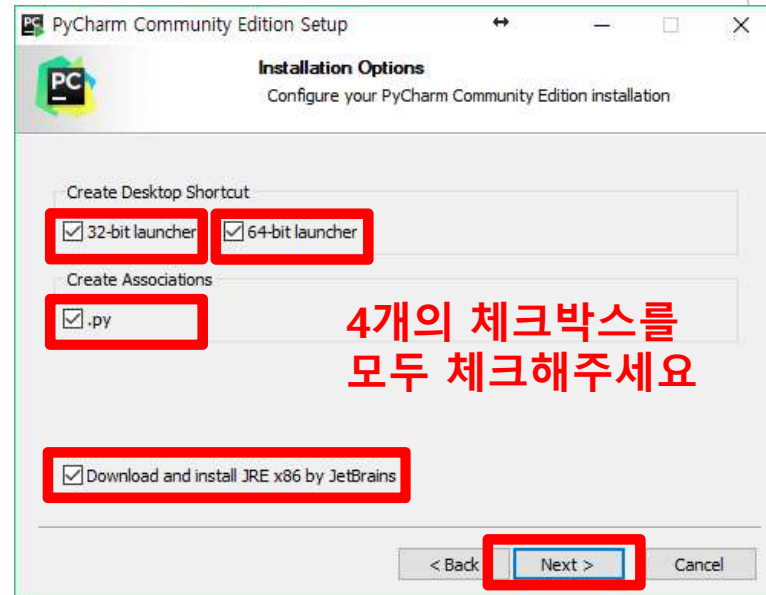
1



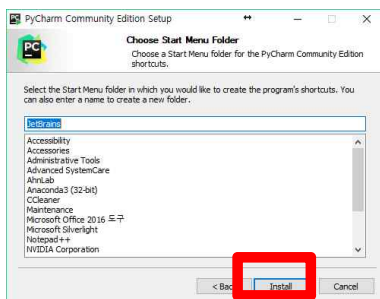
2



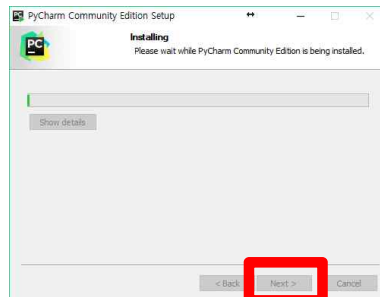
3



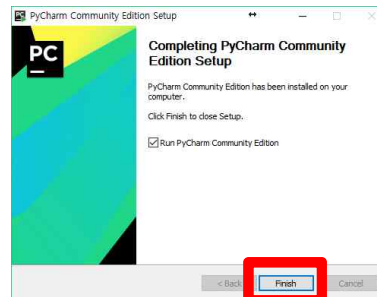
4



5

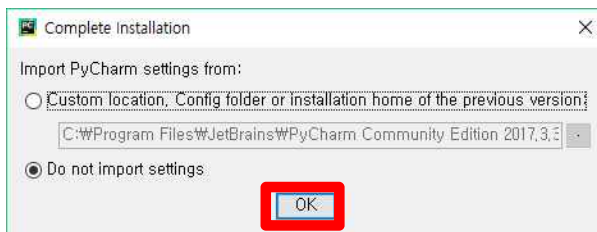


6

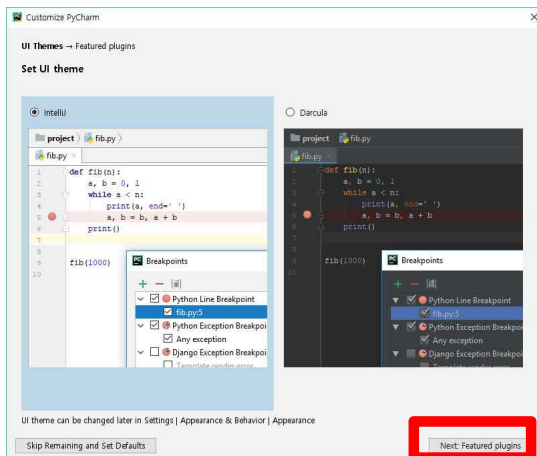


PyCharm 실행하기

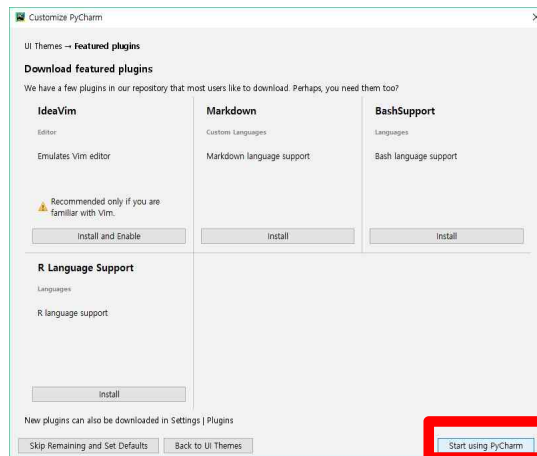
1



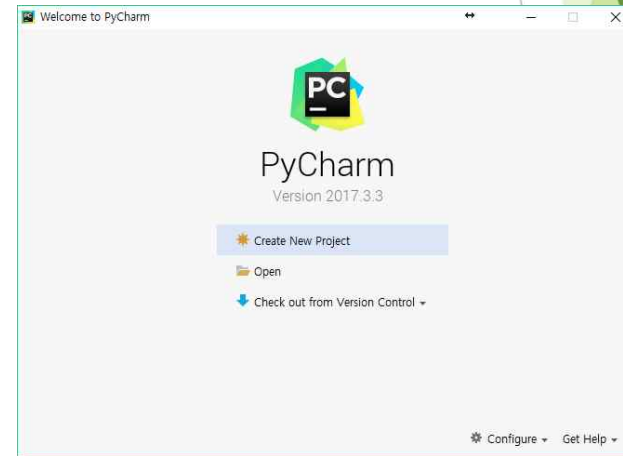
2



3



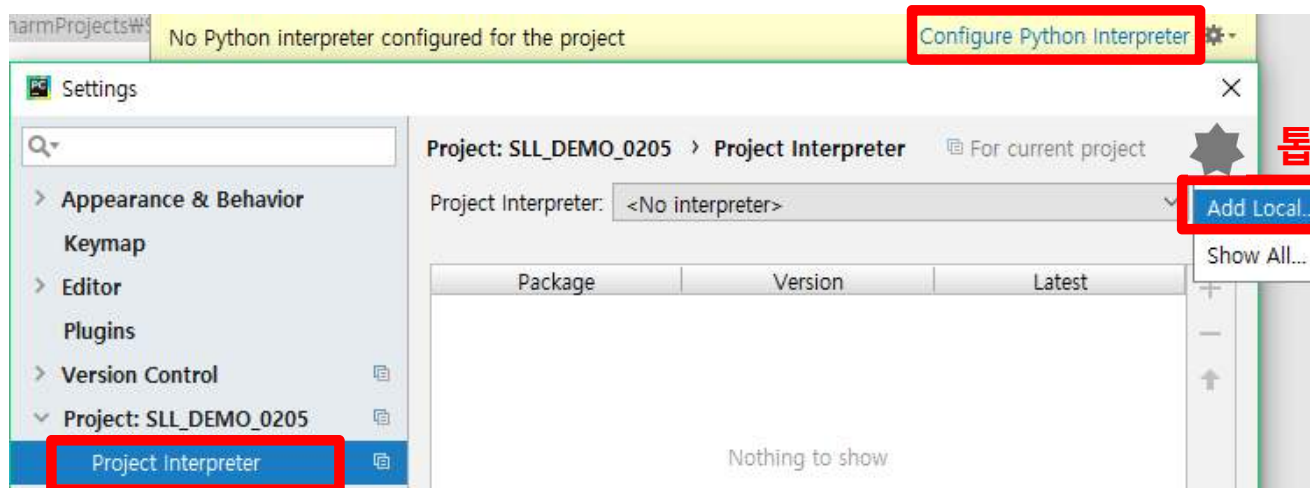
4



설치 하지 않고 "Start using Pycham"를 눌러준다.

PyCharm 환경 설정 [1]

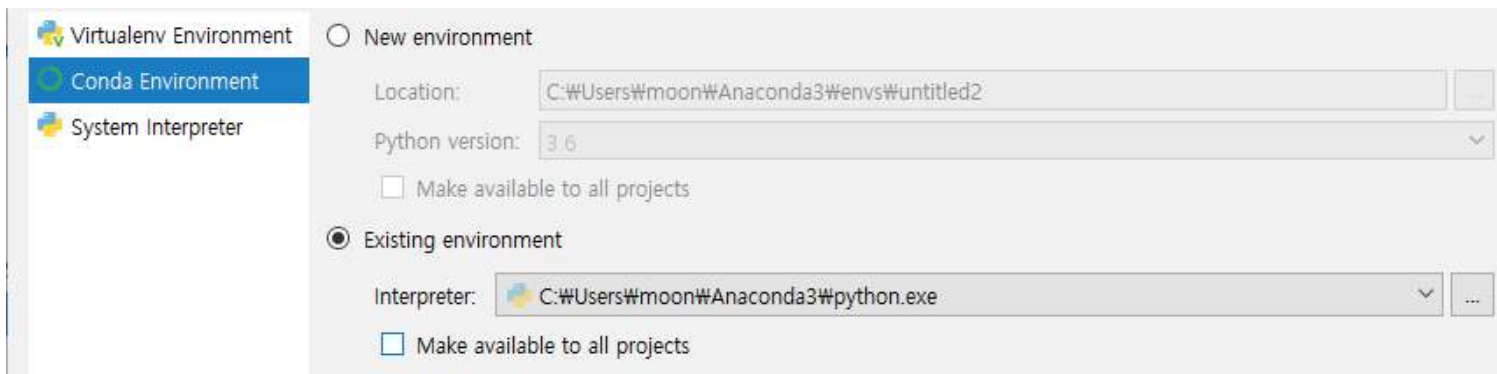
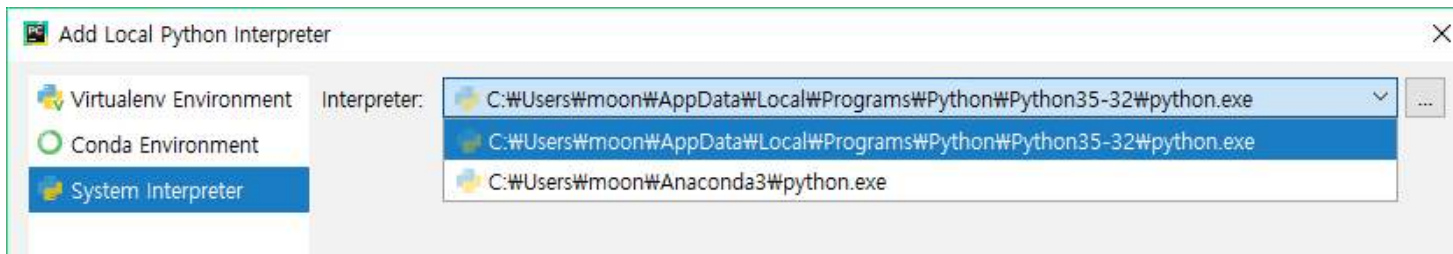
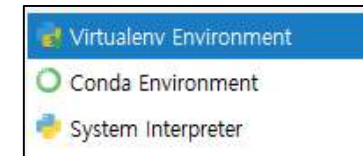
- ▶ 1. PyCharm 실행후 프로젝트를 열어줍니다.
- ▶ 2. Ctrl + Alt + S 를 눌러줍니다.



톱니바퀴를 누른후
Add Local를 눌러줍니다.

PyCharm 환경 설정 [2]

- ▶ 1. PyCharm에 설정할 환경을 골라줍니다.
- ▶ - Virtualenv Environment : 가상의 환경을 만들 수 있다.
- ▶ - Conda Environment : anaconda에 적용되어 있는 환경을 사용 할 수 있다.
- ▶ - **System Interpreter** : OS에 설치되어 있는 python를 선택하여 사용 할 수 있다.



Python 3.5.3에서 Pycharm 환경 구축하기

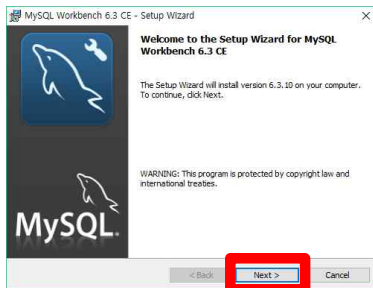
- MySQL Workbench

MySQL Workbench 다운받기

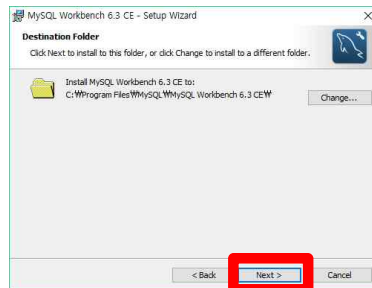
- ▶ 주소 : <https://dev.mysql.com/downloads/file/?id=474210>
에서 [No thanks, just start my download.](#) 를 눌러줍니다.
- ▶ 파일명 : mysql-workbench-community-6.3.10-winx64.exe

MySQL Workbench 설치하기

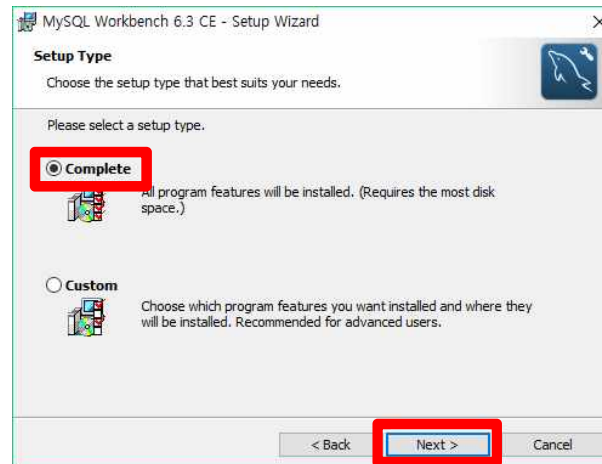
1



2

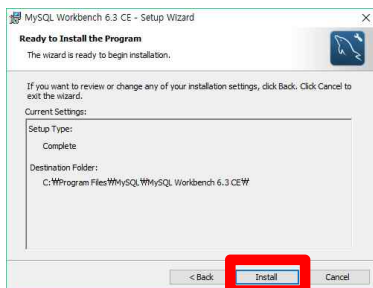


3

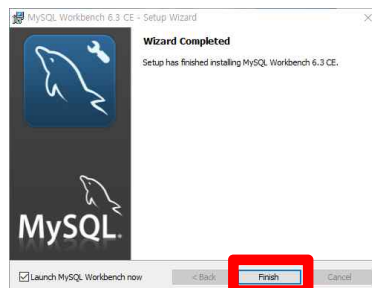


Complete를 체크합니다.

4

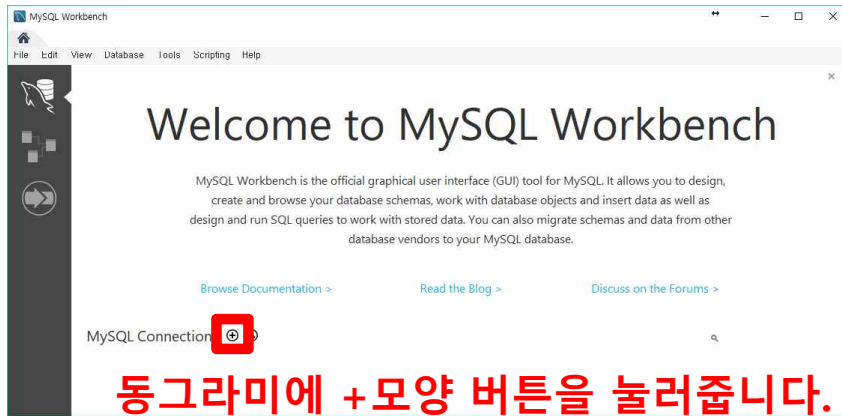


5

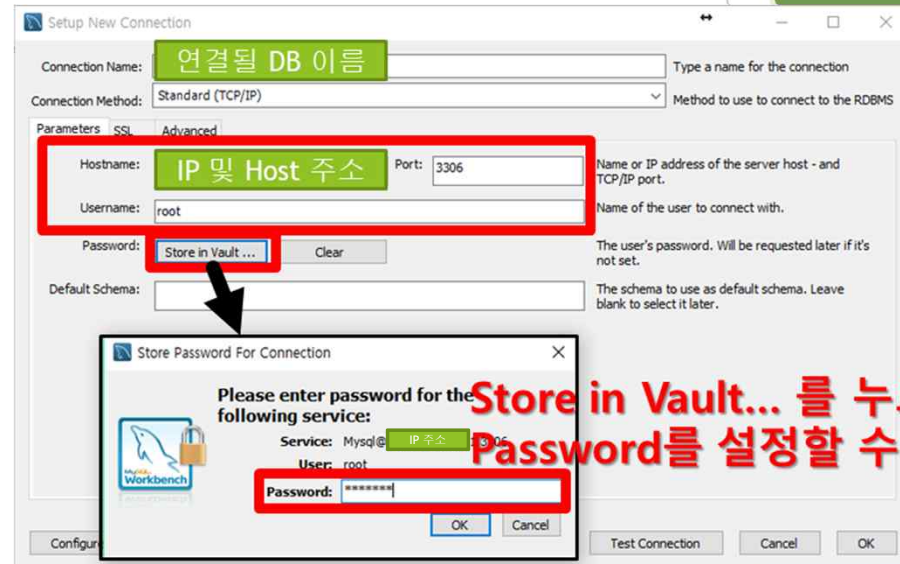


MySQL Workbench 환경 설정

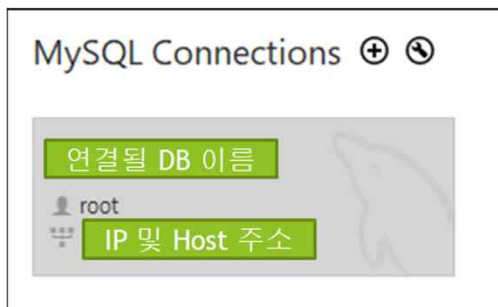
1



2



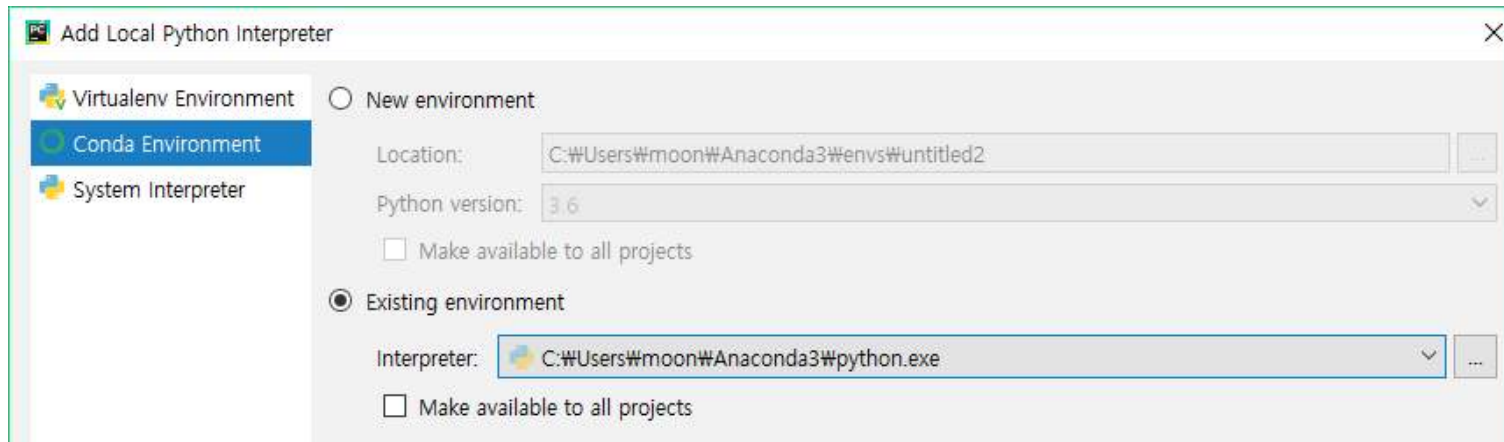
3



Anaconda 에서 Pycharm 환경 구축하기

- folium 및 mysql 모듈 설치

Pycharm 환경 구축하기 [Anaconda3 - 32bit]



- ▶ Conda - Existing - interpreter를 아나콘다에 python으로 설정합니다.

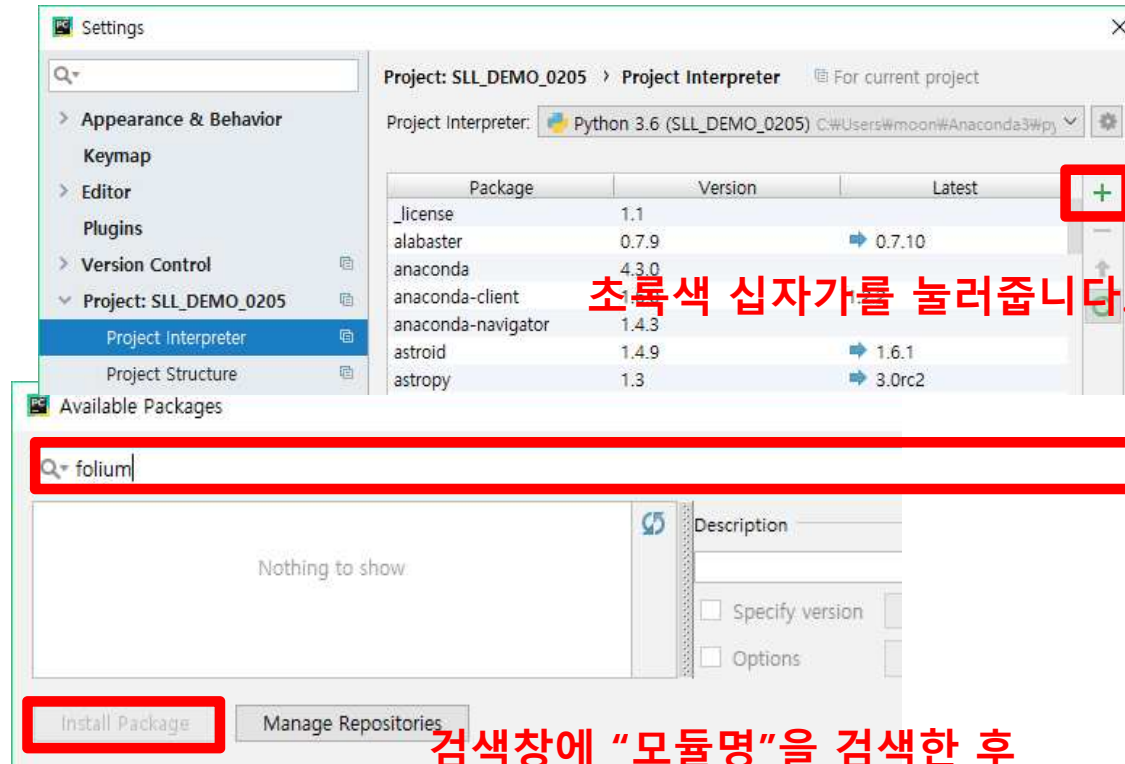


- ▶ Anaconda를 설치하면 Python 3.6 또는 2.7이 자동으로 설치됩니다.

Pycharm 환경 구축하기 [2]

실험파일 : 41_networking.py

```
import gc
import os
import sys
import json
import folium
from folium import plugins
from folium import IFrame
# from folium.plugins import MarkerCluster
from marker_cluster import MarkerCluster
from folium.features import CustomIcon
from folium.features import DivIcon
import pandas as pd
import numpy as np
from collections import Counter
import matplotlib.pyplot as plt
import GetData_41_networking as gd
from PyQt5 import *
from PyQt5 import uic
from PyQt5.QtWidgets import *
from PyQt5.QtCore import *
from PyQt5.QtGui import *
```



초록색 십자가를 눌러줍니다.

검색창에 "모듈명"을 검색한 후
클릭하고
"Install Package"를 누르시면 됩니다.
하지만 folium 패키지가 나오지 않습니다.

Pycharm 환경 구축하기 [2] - folium 모듈 설치

```
Anaconda Prompt
(C:\Users\moon\Anaconda3) C:\Users\moon>pip install folium
Collecting folium
  Using cached folium-0.5.0.tar.gz
Collecting branca (from folium)
  Using cached branca-0.2.0-py3-none-any.whl
Requirement already satisfied: Jinja2 in c:\Users\moon\Anaconda3\lib\site-packages (from folium)
Requirement already satisfied: requests in c:\Users\moon\Anaconda3\lib\site-packages (from folium)
Requirement already satisfied: six in c:\Users\moon\Anaconda3\lib\site-packages (from folium)
Requirement already satisfied: MarkupSafe>=0.23 in c:\Users\moon\Anaconda3\lib\site-packages (from Jinja2->folium)
Building wheels for collected packages: folium
  Running setup.py bdist_wheel for folium ... done
  Stored in directory: C:\Users\moon\AppData\Local\pip\Cache\wheels\04\4d\0a\0b2b8356443364ae79743fce0b9b6a5b045f7560742129fde22
Successfully built folium
Installing collected packages: branca, folium
Successfully installed branca-0.2.0 folium-0.5.0
(C:\Users\moon\Anaconda3) C:\Users\moon>
```

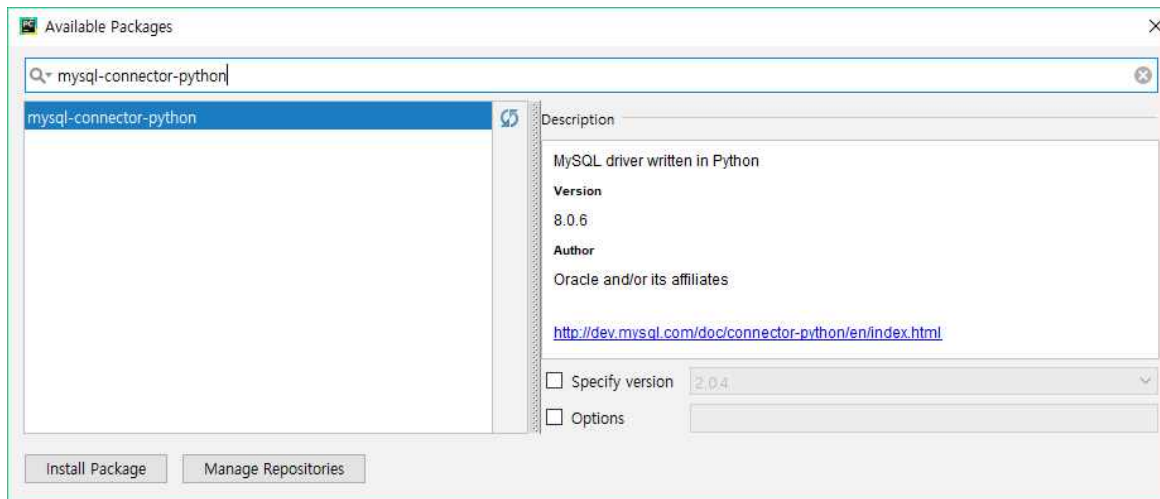
- ▶ Pycharm에서 패키지를 찾을 수 없으므로
직접 Anaconda Prompt에서 설치해줍니다.

명령어 : `pip install folium`

Pycharm 환경 구축하기 [2] - mysql 모듈설치

```
File "D:\PycharmProjects\SLL_DEMO_0205\DBConn.py", line 1, in <module>
    import mysql.connector
ModuleNotFoundError: No module named 'mysql'
```

▶ mysql 모듈이 없다고 합니다.

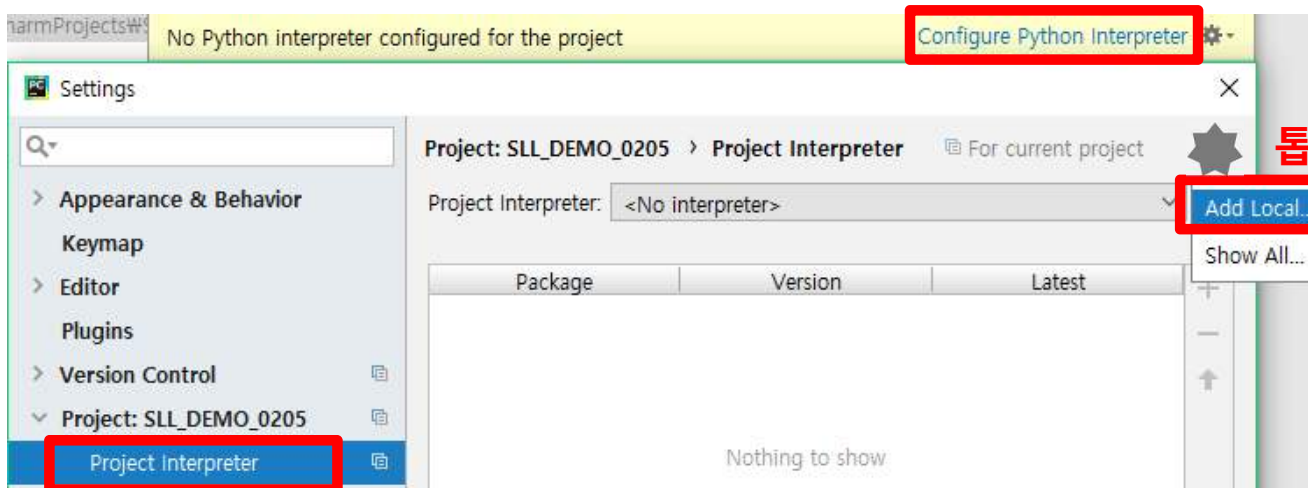


▶ “mysql-connector-python” 를 검색 후 설치해줍니다.

Python 3.5.3에서 Pycharm 환경 구축하기
mysql-connector-python 모듈 및 qtpy 모듈
작동 안 할 시

모듈 설정 바꾸기 [1]

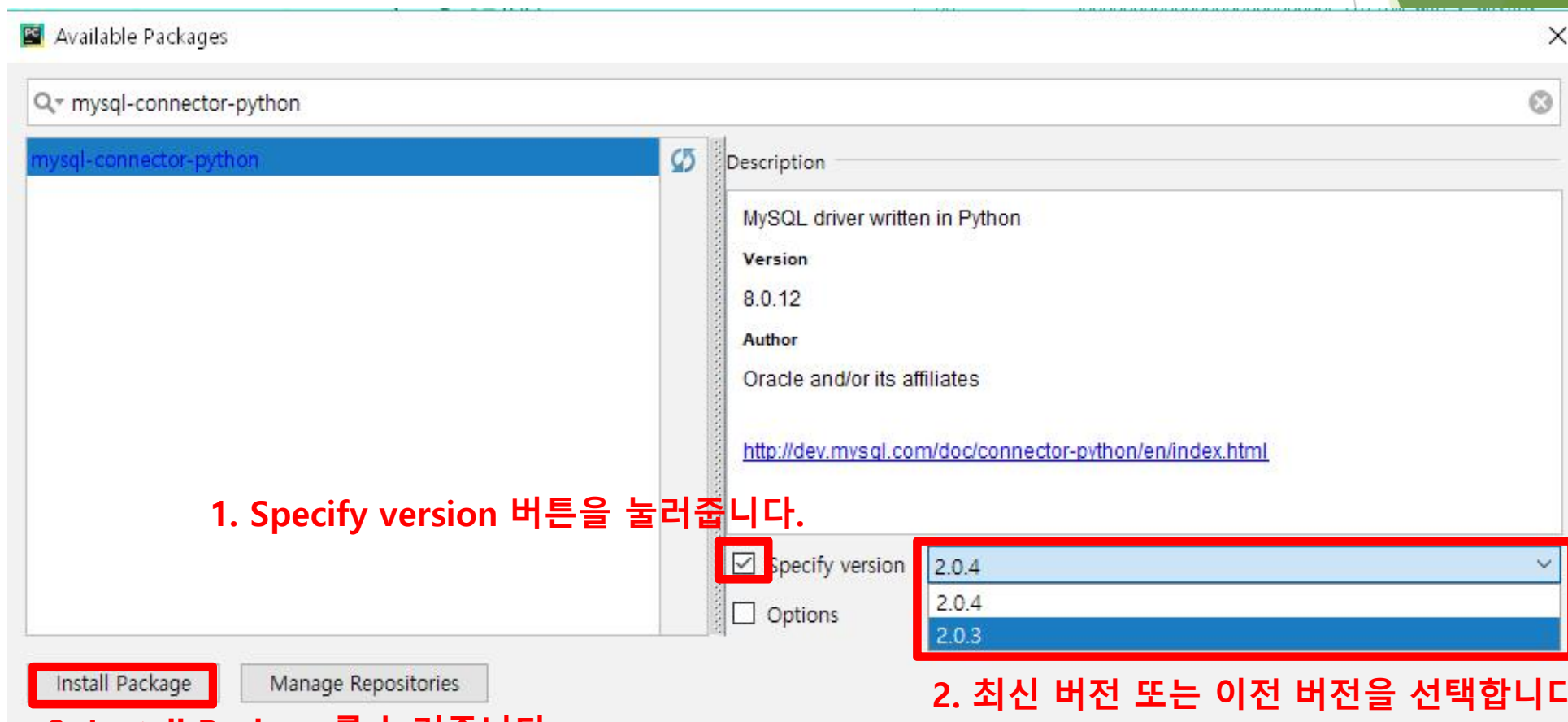
- ▶ 1. PyCharm 실행 후 프로젝트를 열어줍니다.
- ▶ 2. Ctrl + Alt + S 를 눌러줍니다.



톱니바퀴를 누른후
Add Local를 눌러줍니다.

모듈 설정 바꾸기 [2] - mysql-connector-python

- ▶ 검색창에 “mysql-connector-python”를 검색합니다.



1. Specify version 버튼을 눌러줍니다.

2. 최신 버전 또는 이전 버전을 선택합니다.

3. Install Package를 눌러줍니다.

모듈 설정 바꾸기 [2] - mysql-connector-python

검색창에 “qt”를 검색합니다.(qtpy 버전 변경 만으로 안된다면 “qt”문자가 들어간 모듈을 모두 변경해봅니다.

