



2.분석을 위한 환경설정



이번시간에 학습할 내용은..

python ANACONDA 설치부터 SPYDER
화면구성 및 사용법을 함께 알아보아요.

I. 아나콘다(ANACONDA) 가 뭐죠?

- 데이터 분석에 필요한 라이브러리를 모아놓은 파이썬 기반의 플랫폼

<http://www.python.org> 통한 파이썬 설치

pip -패키지 통합관리모듈만 존재

import

난 분석에 필요한 모듈 pandas
가 필요해

import

난 그래픽모듈 turtle이 필요해

아나콘다 설치

pip

pandas

numpy

scipy

lpython

절대값 - 부호가 없는 숫자를
의미해요.
예) -5 의 절대값=5

◆ 윈도우에서 아나콘다 설치

The screenshot shows the Anaconda website's download page for Windows. The browser address bar shows the URL <https://www.anaconda.com/download/>. The page features the Anaconda logo and navigation links like 'Anaconda Cloud', 'Documentation', 'Blog', 'Contact', 'What is Anaconda?', 'Products', 'Support', 'Community', 'About', 'Resources', and a 'Download' button. Below these, three main sections are highlighted: 'High-Performance Distribution', 'Package Management', and 'Portal to Data Science'. Further down, there are icons for Windows, macOS, and Linux. The main content area is titled 'Anaconda 5.0.0 For Windows Installer'. It contains two large boxes for 'Python 3.6 version *' and 'Python 2.7 version *'. Each box has a green 'Download' button. Under the Python 3.6 button, two links are listed: '64-Bit Graphical Installer (535 MB)' and '32-Bit Graphical Installer (436 MB)'. The 64-bit link is highlighted with a red rectangle. A yellow callout box on the left points to this red rectangle with the text: '1. 운영체제 비트에 따라 선택 저는 64비트이므로 64-bit 클릭'. At the bottom, there are links for 'Behind a firewall?', 'How to get Python 3.5 or other Python versions', and 'How to Install ANACONDA'.

← → ↻ 🔒 안전함 | <https://www.anaconda.com/download/> ☆

ANACONDA

Anaconda Cloud Documentation Blog Contact

What is Anaconda? Products Support Community About Resources **Download**

High-Performance Distribution
Easily install 1,000+ [data science packages](#)

Package Management
Manage packages, dependencies and environments with [conda](#)

Portal to Data Science
Uncover insights in your data and create interactive visualizations

Windows macOS Linux

Anaconda 5.0.0 For Windows Installer

Python 3.6 version *

Download

[64-Bit Graphical Installer \(535 MB\)](#) ⓘ
[32-Bit Graphical Installer \(436 MB\)](#)

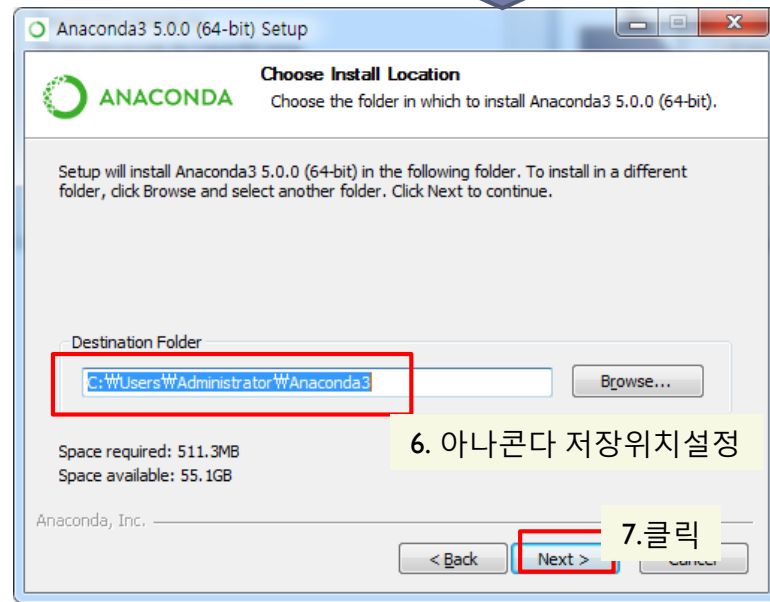
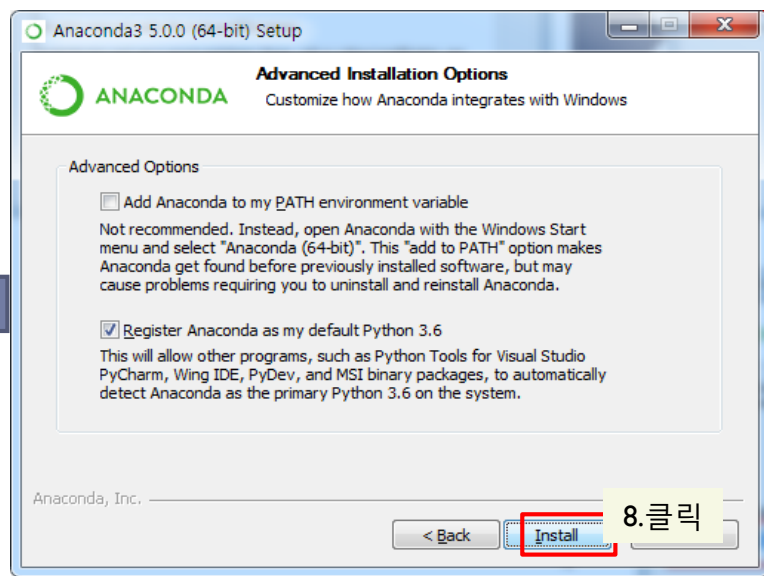
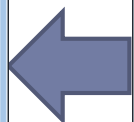
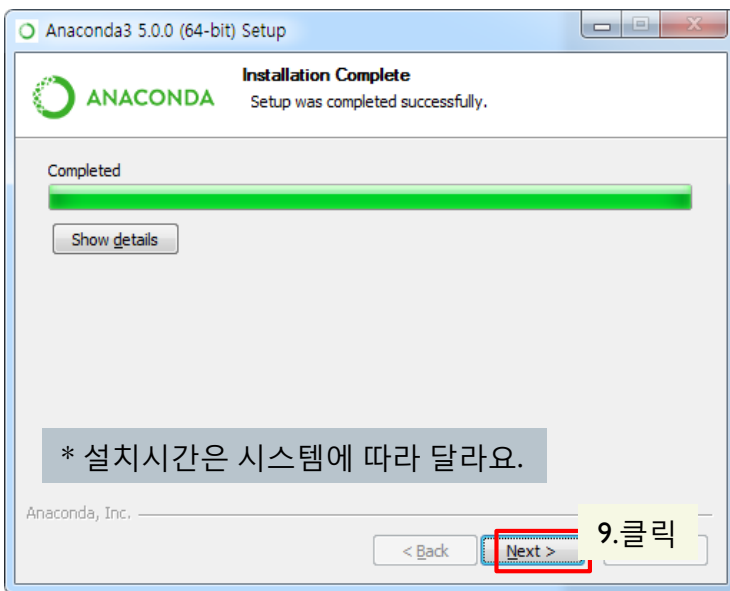
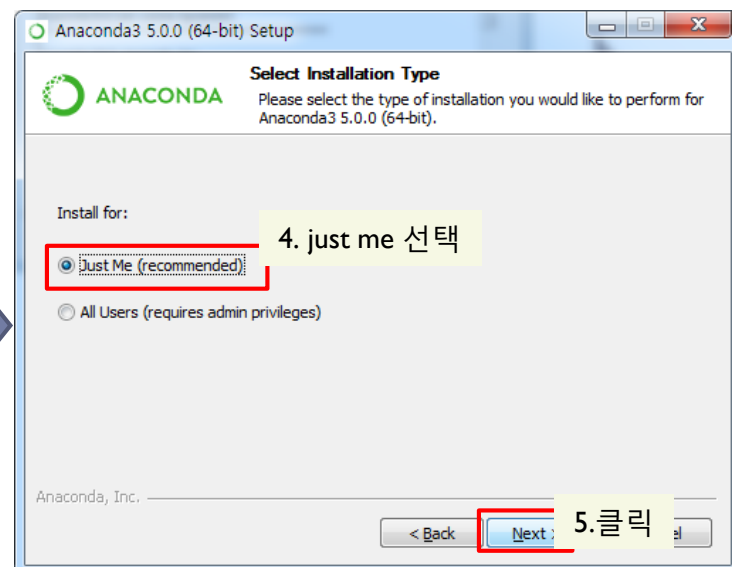
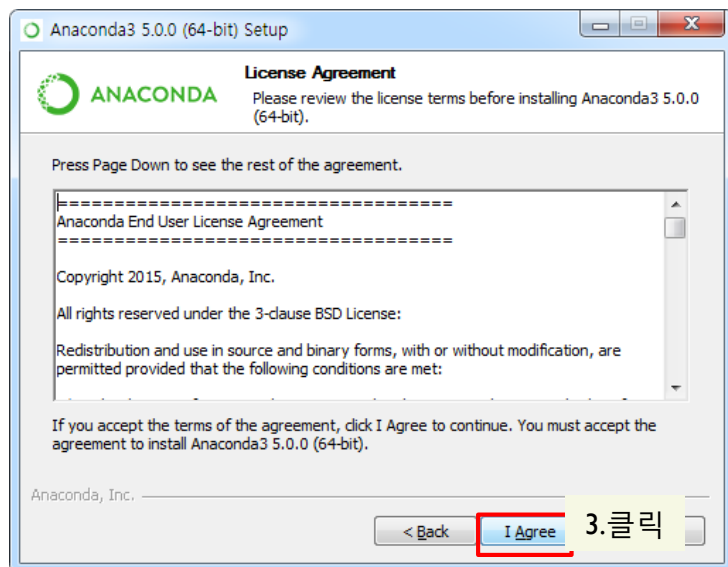
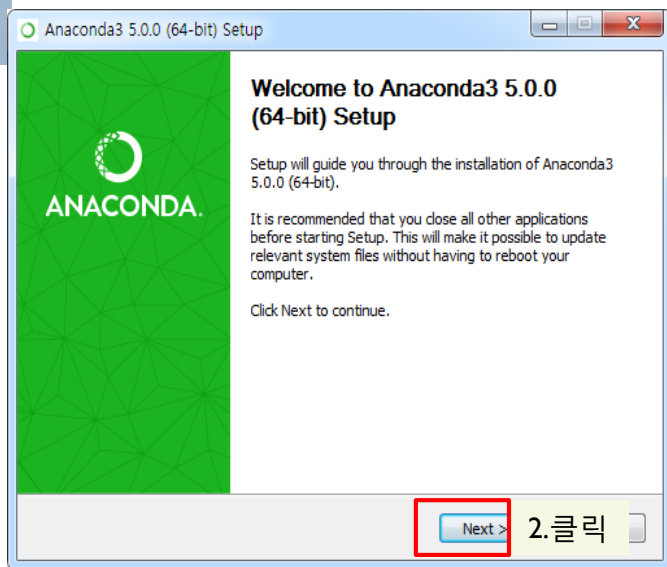
Python 2.7 version *

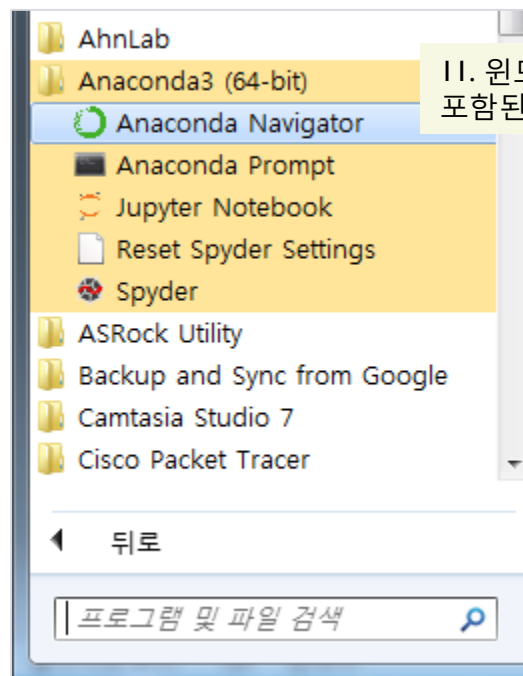
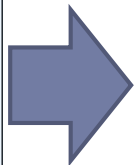
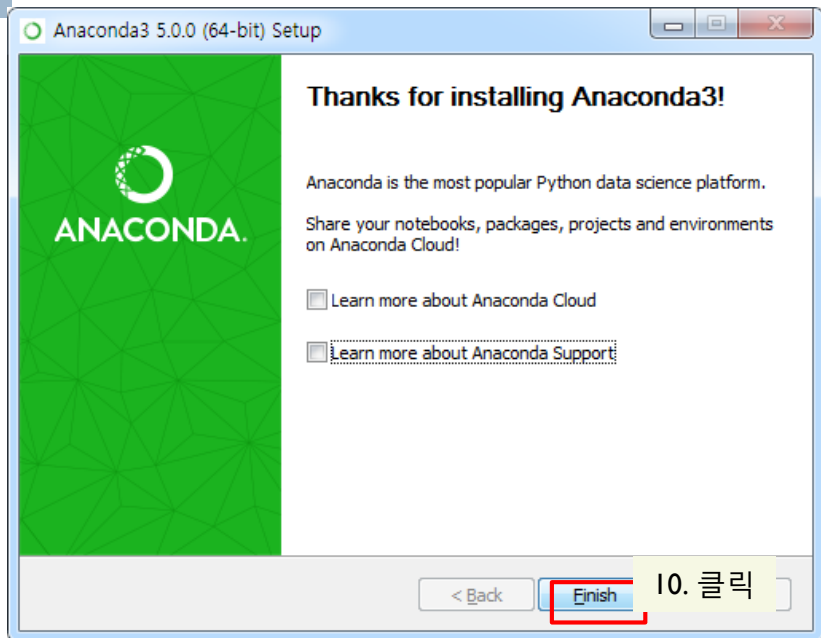
Download

[64-Bit Graphical Installer \(522 MB\)](#) ⓘ
[32-Bit Graphical Installer \(421 MB\)](#)

1. 운영체제 비트에 따라 선택
저는 64비트이므로 64-bit 클릭

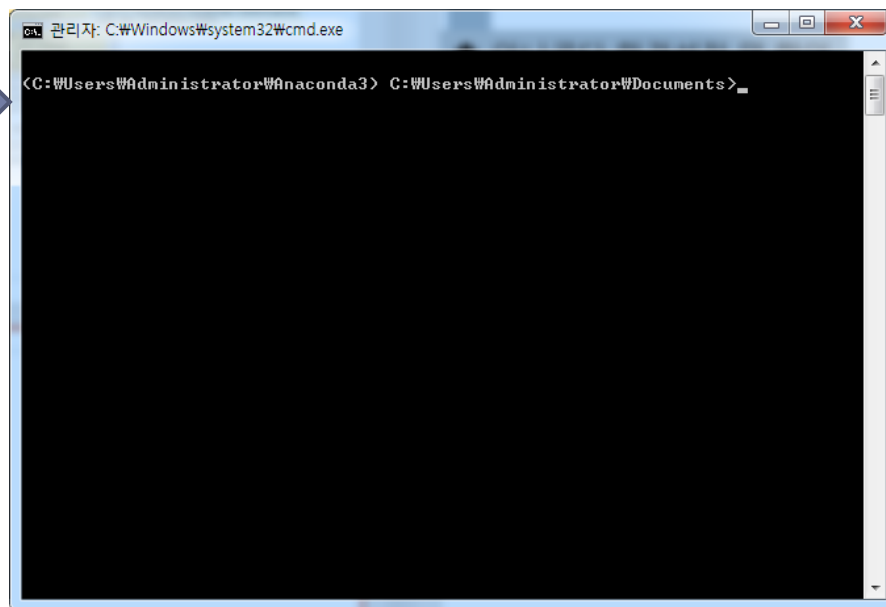
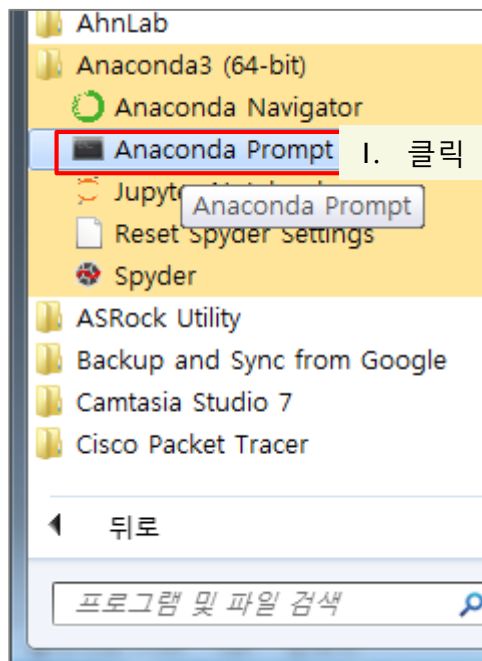
[Behind a firewall?](#)
[How to get Python 3.5 or other Python versions](#)
[How to Install ANACONDA](#)





11. 윈도우 시작단추를 눌러서 확인해보세요. 이렇게 아나콘다에 포함된 개발도구들을 확인할 수 있어요.

◆ 아나콘다 터미널에서 설정 및 확인



```
(C:\Users\Administrator\Anaconda3) C:\Users\Administrator\Documents>conda info
Current conda install:

     platform : win-64
    conda version : 4.3.27
  conda is private : False
  conda-env version : 4.3.27
conda-build version : 3.0.22
    python version : 3.6.2.final.0
    requests version : 2.18.4
root environment : C:\Users\Administrator\Anaconda3 (writable)
default environment : C:\Users\Administrator\Anaconda3
envs directories : C:\Users\Administrator\Anaconda3\envs
                  C:\Users\Administrator\AppData\Local\conda\conda\envs
                  C:\Users\Administrator\.conda\envs
package cache : C:\Users\Administrator\Anaconda3\pkgs
                C:\Users\Administrator\AppData\Local\conda\conda\pkgs
channel URLs : https://repo.continuum.io/pkgs/main/win-64
               https://repo.continuum.io/pkgs/main/noarch
               https://repo.continuum.io/pkgs/free/win-64
               https://repo.continuum.io/pkgs/free/noarch
               https://repo.continuum.io/pkgs/r/win-64
               https://repo.continuum.io/pkgs/r/noarch
               https://repo.continuum.io/pkgs/pro/win-64
               https://repo.continuum.io/pkgs/pro/noarch
               https://repo.continuum.io/pkgs/msys2/win-64
```

현재 설치된 conda에 대한 상세정보 출력

```
관리자: C:\Windows\system32\cmd.exe
https://repo.continuum.io/pkgs/main/noarch
https://repo.continuum.io/pkgs/free/win-64
https://repo.continuum.io/pkgs/free/noarch
https://repo.continuum.io/pkgs/r/win-64
https://repo.continuum.io/pkgs/r/noarch
https://repo.continuum.io/pkgs/pro/win-64
https://repo.continuum.io/pkgs/pro/noarch
https://repo.continuum.io/pkgs/msys2/win-64
https://repo.continuum.io/pkgs/msys2/noarch
config file : C:\Users\Administrator\condarc
netrc file : None
offline mode : False
user-agent : conda/4.3.27 requests/2.18.4 CPython/3.6.1 Windows/6.1.7601
administrator : True

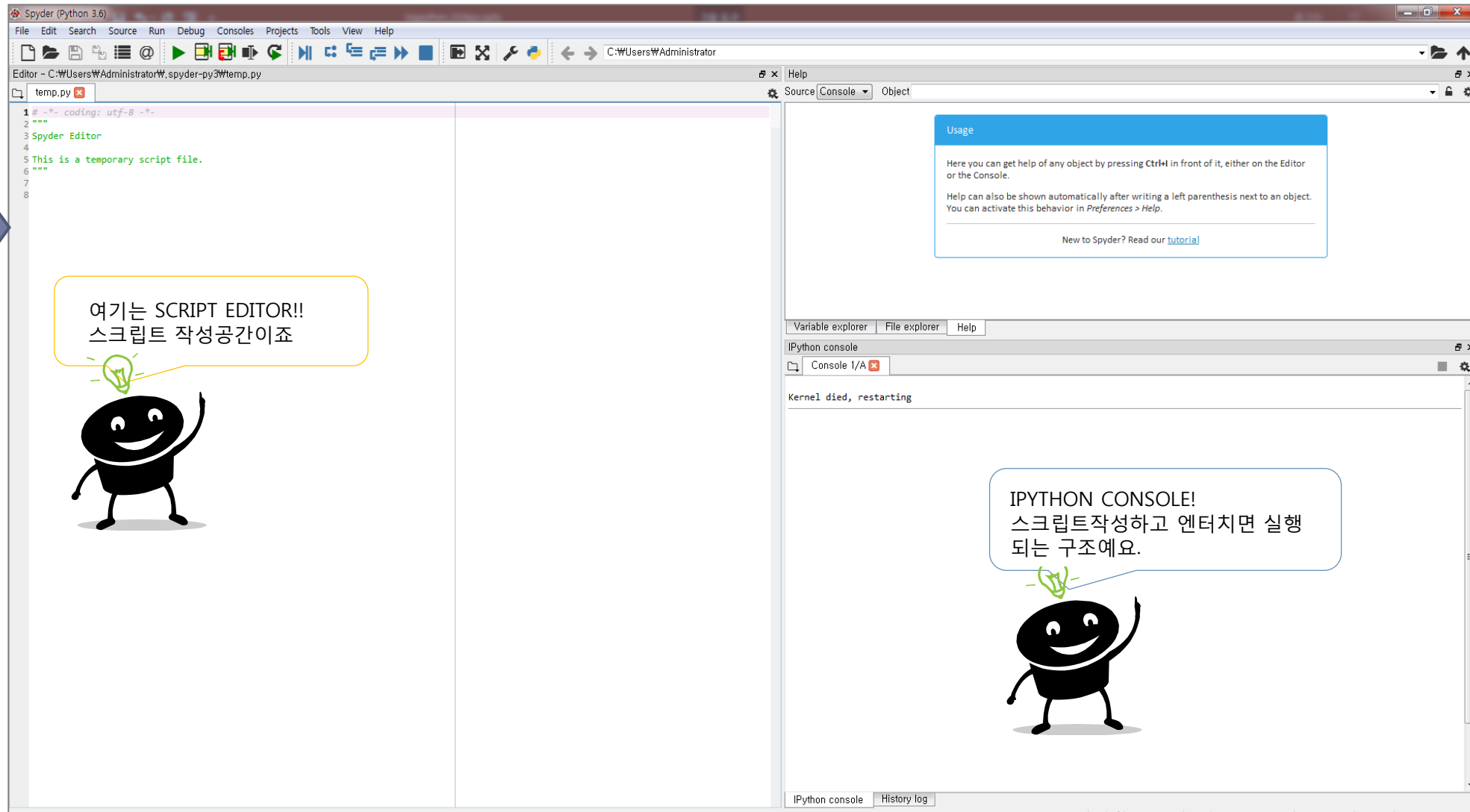
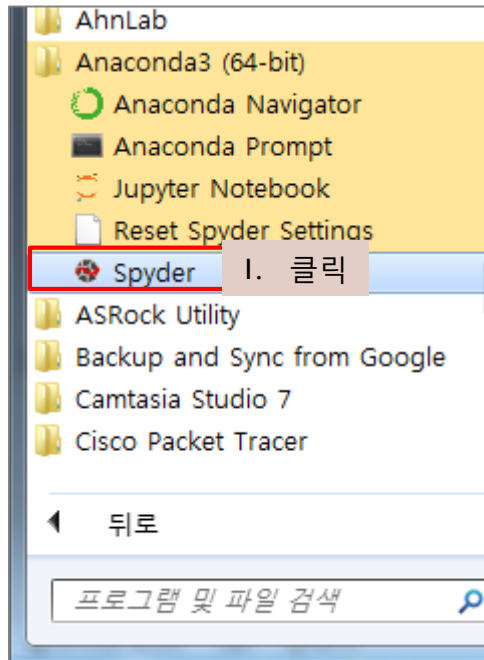
(C:\Users\Administrator\Anaconda3) C:\Users\Administrator\Documents>conda info -e
# conda environments:
#
root * C:\Users\Administrator\Anaconda3

(C:\Users\Administrator\Anaconda3) C:\Users\Administrator\Documents>
```

개발환경목록 출력 => conda info -e
또는 conda info --envs

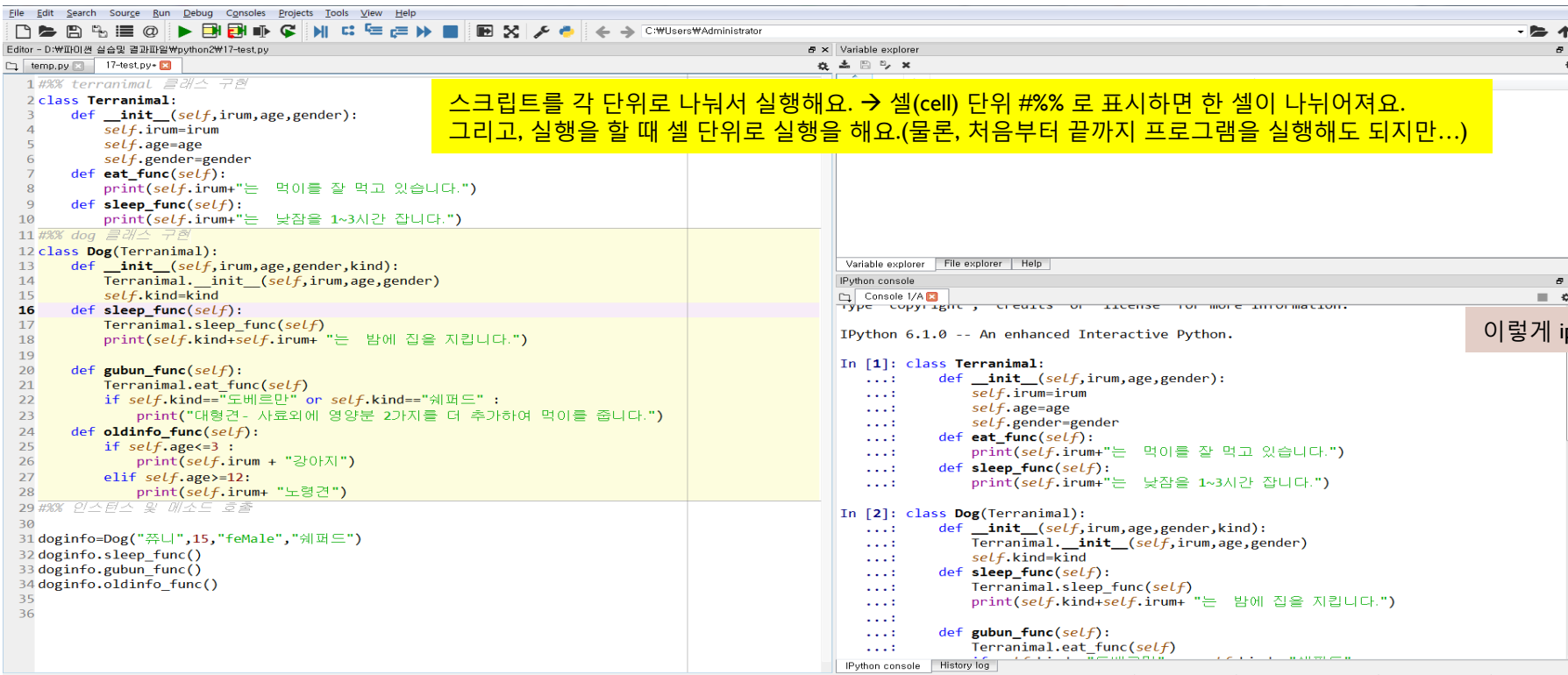
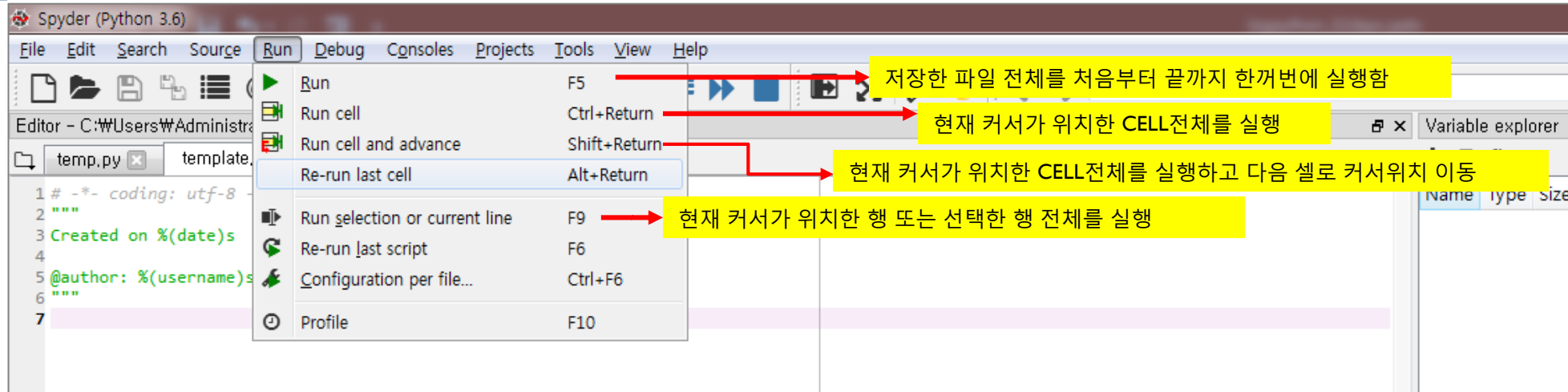
root - 아나콘다 설치시 기본 개발환경
*표시 - 활성화된 상태

◆ 파이썬 IDE 툴 – spyder 실행과 화면구성



▶ 분석을 위한 환경설정

* SPYDER 에서 스크립트 실행방법



이렇게 ipython 편집기까지 spyder는 포함해요.

◆ 파이썬 IDE 툴 – Ipython(Jupyter notebook) 실행과 화면구성

AhnLab

- Anaconda3 (64-bit)
- Anaconda Navigator
- Anaconda Prompt
- Jupyter Notebook**
- Reset Spyder Settings
- Spyder
- ASRock Utility
- Backup and Sync from Google
- Camtasia Studio 7
- Cisco Packet Tracer
- CyberLink Media Suite
- DAEMON Tools Lite

뒤로

프로그램 및 파일 검색

jupyter

Logout

Files Running Clusters

작업하려는 폴더를 선택해요.

Select items to perform actions on them.

Upload New

Notebook:

Python 3

Other:

- Text File
- Folder
- Terminals Unavailable

new 클릭 → python3선택

3 months ago

6 years ago

6 years ago

4 months ago

3 months ago

