

# Anaconda 설치 Python 단독설치

### • Python이란?

- 1991년 귀도 반 로섬(Guido Van Rossum, 1956년, 네덜란드, 히도 판 로쉼)이 발표
- 1989년 크리스마스 주에 연구실이 닫혀 있어서 심심한 김에...
- 기술자들은 심심할 때 항상 걸작이 나온다??
- 다양한 플랫폼에서 쓸 수 있고, 라이브러리(모듈)가 풍부하여, 대학을 비롯한 여러 교육 기관, 연구 기관 및 산업계에서 이용이 증가
- Interpreter 언어(컴파일 과정이 필요 없다).
- 들여쓰기를 사용해서 블록을 구분하는 독특한 문법을 채용
- 사전적 의미는 '피톤'이라는 이름으로 알려진 고대 그리스신화에 나오는 거대한 뱀의 이름

### Python coding convention

- https://www.python.org/dev/peps/pep-0008/
- 커뮤니티(Community)
  - 파이콘 코리아(Pycon Korea)
  - https://www.facebook.com/groups/pythonkorea



출처: 위키피디아

https://www.anaconda.com/products/individual

### Anaconda Installers

Windows 

MacOS 

Python 3.8

64-Bit Graphical Installer (457 MB)

S2-Bit Graphical Installer (403 MB)

MacOS 

Python 3.8

64-Bit Graphical Installer (435 MB)

64-Bit Graphical Installer (428 MB)

64-Bit (Power8 and Power9) Installer (279 MB)

MB)

#### ADDITIONAL INSTALLERS

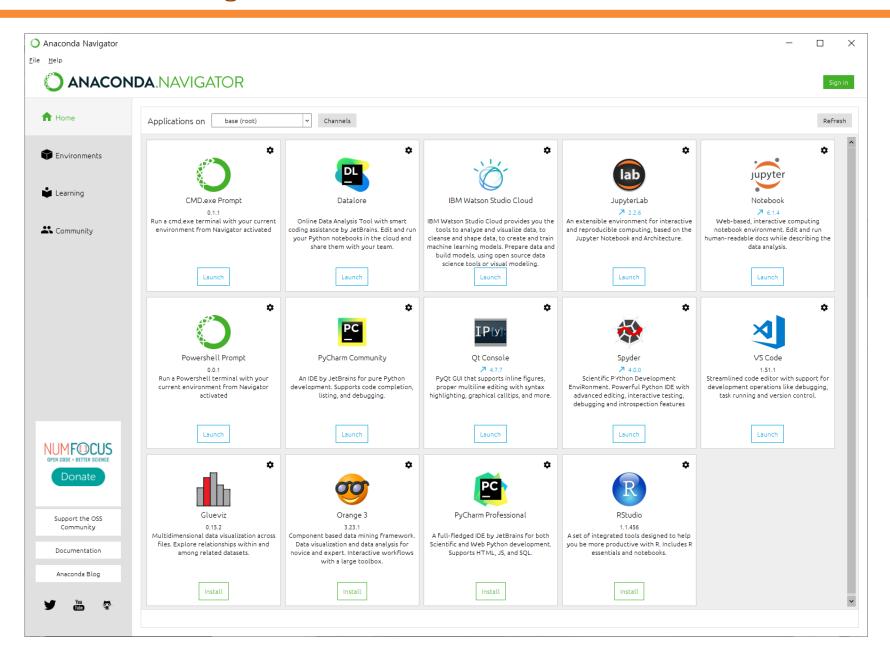
The archive has older versions of Anaconda Individual Edition installers. The Miniconda installer homepage can be found here.

### Jupyter Project(http://jupyter.org/)

- jupyter 소스 root경로 설정
- (base) C:\Users\user>jupyter notebook --generate-config
  - C:\Users\user\.jupyrt\jupyter\_notebook\_config.py 파일이 생성.
  - Text editor로 jupyter\_notebook\_config.py에서 원하는 경로(root경로)로 수정

```
## The MathJax.js configuration file that is to be used.
201
202
     #c.NotebookApp.mathjax config = 'TeX-AMS-MML HTMLorMML-full, Safe'
203
204
     ## A custom url for MathJax. is. Should be in the form of a case-sensitive url to
205
     # MathJax, for example: /static/components/MathJax/MathJax.js
     #c.NotebookApp.mathjax url = ''
206
207
208
     ## Dict of Python modules to load as notebook server extensions. Entry values can
209
     # be used to enable and disable the loading of the extensions. The extensions
210
     # will be loaded in alphabetical order.
211
     #c.NotebookApp.nbserver extensions = {}
212
213
214
     #c.NotebookApp.notebook dir = ''
     c.NotebookApp.notebook dir = 'D:/python workspace'
215
216
217
     ## Whether to open in a browser after starting. The specific browser used is
218
        platform dependent and determined by the python standard library `webbrowser`
219
     # module, unless it is overridden using the --browser (NotebookApp.browser)
220
        configuration option.
221
     #c.NotebookApp.open browser = True
```

### **Anaconda Navigator**



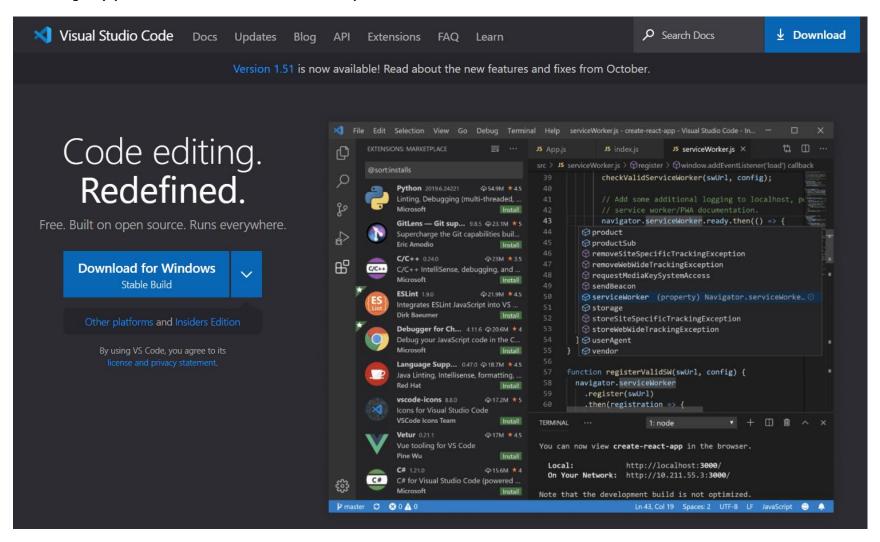
• 최신 패키지 업데이트(Anaconda Prompt (Anaconda3) 선택)



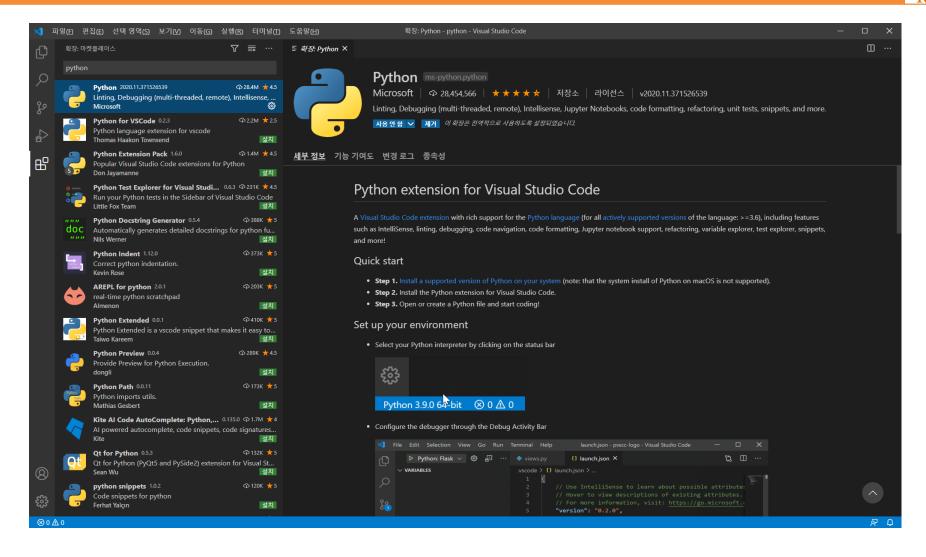
- (base) C:\Users\user>conda update -n base conda
- (base) C:\Users\user>conda update --all
- 파이썬 버전 확인
  - (base) C:\Users\user>python --version
- conda 유틸리티
  - (base) C:\Users\user> conda --help
  - (base) C:\Users\user> conda list
  - (base) C:\Users\user>conda install 패키지명
  - (base) C:\Users\user>conda update 패키지명
  - (base) C:\Users\user> conda uninstall 패키지명
- pip3 유틸리티
  - (base) C:\Users\user>pip3 --help
  - (base) C:\Users\user>pip3 list
  - (base) C:\Users\user>pip3 install 패키지명
  - (base) C:\Users\user>pip3 update 패키지명
  - (base) C:\Users\user>pip3 uninstall 패키지명

## Anaconda 설치 Python 단독설치

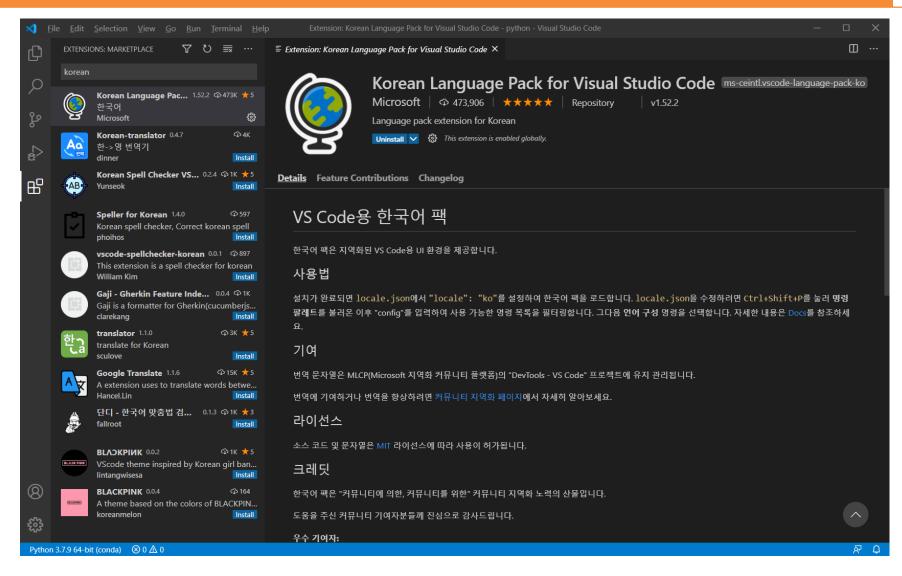
https://code.visualstudio.com/



### Python extension 설치

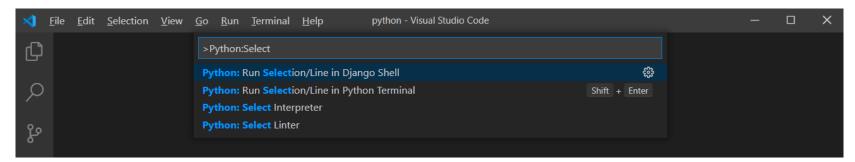


### 한글 언어팩 설치

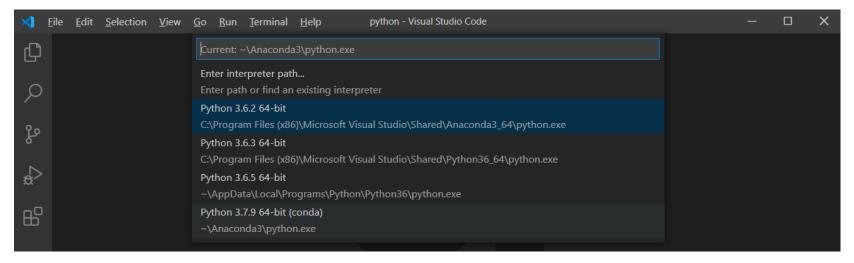


### Python Interpreter 선택

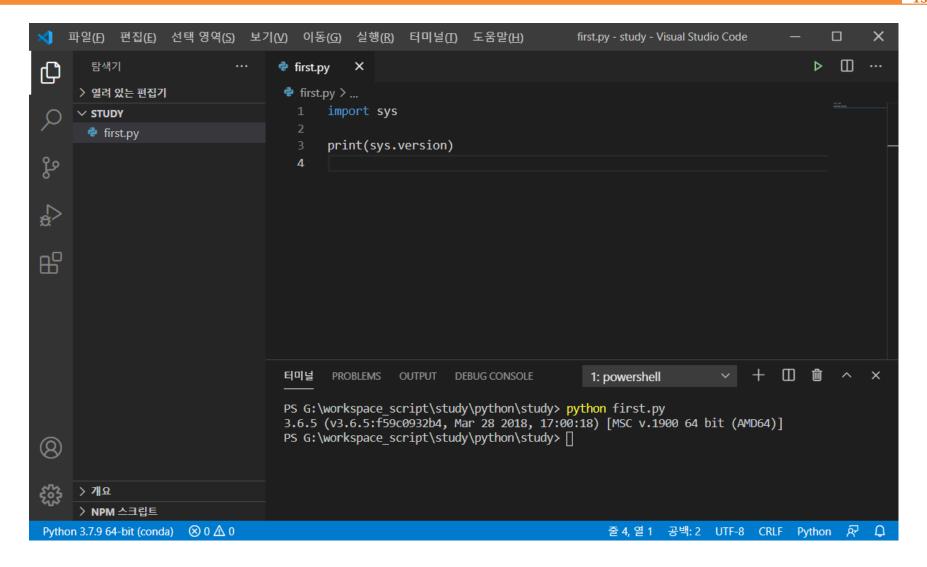
• [View]→[Command Palette...] (Ctrl + Shift + P) 선택 후 "Pyhon: Select Interpreter" 입력 & 선택



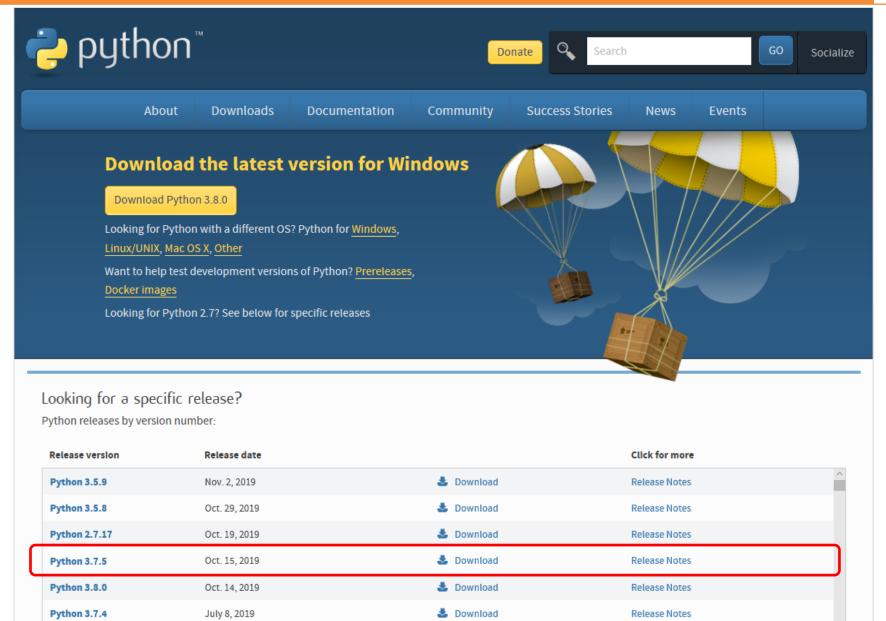
• 설치된 Python 프로그램 선택



### study 디렉토리 생성



### https://www.python.org/downloads/



### Files

Version	Operating System	Description	MD5 Sum	File Size	GPG
Gzipped source tarball	Source release		1cd071f78ff6d9c7524c95303a3057aa	23126230	SIG
XZ compressed source tarball	Source release		08ed8030b1183107c48f2092e79a87e2	17236432	SIG
macOS 64-bit/32-bit installer	Mac OS X	{Deprecated) for Mac OS X 10.6 and later	cd503606638c8e6948a591a9229446e4	35020778	SIG
macOS 64-bit installer	Mac OS X	for macOS 10.9 and later	20d9540e88c6aaba1d2bc1ad5d069359	28198752	SIG
Windows help file	Windows		608cafa250f8baa11a69bbfcb842c0e0	8141193	SIG
Windows x86-64 embeddable zip file	Windows	for AMD64/EM64T/x64	436b0f803d2a0b393590030b1cd59853	7500597	SIG
Windows x86-64 executable installer	Windows	for AMD64/EM64T/x64	697f7a884e80ccaa9dff3a77e979b0f8	26777448	SIG
Windows x86-64 web-based installer	Windows	for AND64/EM64T/x64	b8b6e5ce8c27c20bfd28f1366ddf8a2f	1363032	SIG
Windows x86 embeddable zip file	Windows		726877d1a1f5a7dc68f6a4fa48964cd1	6745126	SIG
Windows x86 executable installer	Windows		cfe9a828af6111d5951b74093d70ee89	25766192	SIG
Windows x86 web-based installer	Windows		ea946f4b76ce63d366d6ed0e32c11370	1324872	SIG

