

# Python

- description : python
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- lastupdate : 2020-06-17

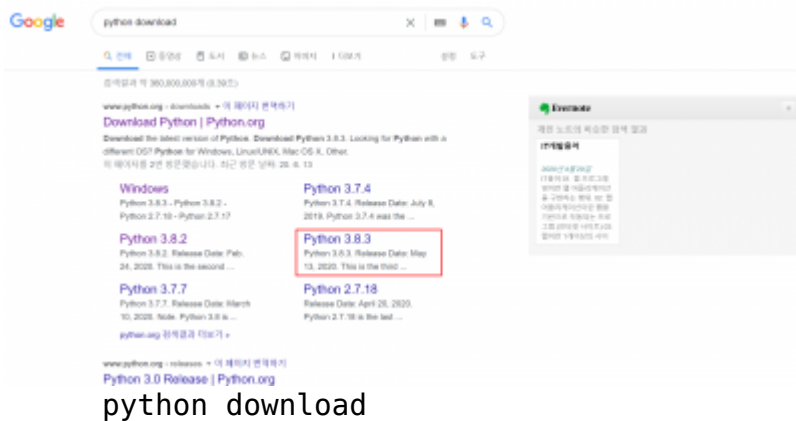
## Python

### Python

- 
- 
- GUI Application (PyQT)
- (GitHub)
- ( , , , )

Library  
 Google\_Colab

## 1. Python



Version	Operating System	Description	MD5 Sum	File Size	QC
64-bit source tarball	Source release		a7c5a2e3d3d3e75a0ca30463e7807	24657487	5%
32-bit compressed source tarball	Source release		3088c95aa41352ae8052112ca76	17812064	5%
macOS 64-bit installer	Mac OS X	For OS X 10.9 and later	085e94e25d225840793e7e413489	38119781	5%
Windows help file	Windows		44e9e9171a3a89802e715a3a3d3d422	3968333	5%
Windows x86-64 executable zip file	Windows	for AMD64/EM64T/x64	e128e75c1a417d3d821e6a978381	8578802	5%
<b>Windows x86-64 executable installer</b>	Windows	for AMD64/EM64T/x64	8d3188c8e8e2ca899e22773e2283b	27808880	5%
Windows x86-64 web-based installer	Windows	for AMD64/EM64T/x64	17e95823e7f9911e887c28a48e4	1384138	5%
Windows x86 executable zip file	Windows		3e69403e0c2e2f85e43e4484152e	738053	5%
Windows x86 executable installer	Windows		452173e2c457154228e03948c311f	28744744	5%
Windows x86 web-based installer	Windows		8725028ca3d8e07431805e63d751	1325808	5%

Files OS  
 Windows 64 Windows x86-64 executable installer

## 2. vsCode

Visual Studio Code

python

Google search results for 'vscode download'. The search results show the Visual Studio Code website with download links for Windows, Linux, and Mac. The 'User Installer' for Windows is highlighted in red in the original image.

vsCode download

Download

Windows T, 8, 10

- User Installer 64 bit 32 bit
- System Installer 64 bit 32 bit
- .zip 64 bit 32 bit

Linux Debian, Ubuntu Red Hat, Fedora, SUSE

- .deb 64 bit
- .rpm 64 bit
- .tar.gz 64 bit

Mac macOS 10.10+

Windows > User Installer

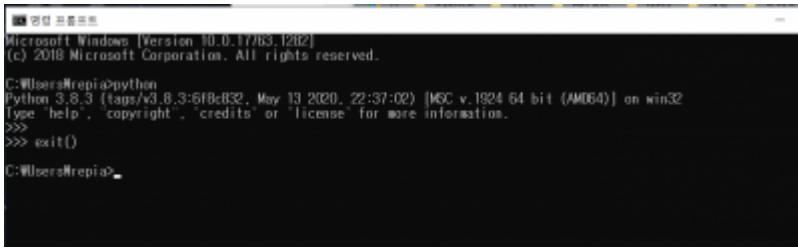
## 3. Install

가 .

- python : Add Python to PATH
- vsCode : 가 > PATH 가 ( 가 )

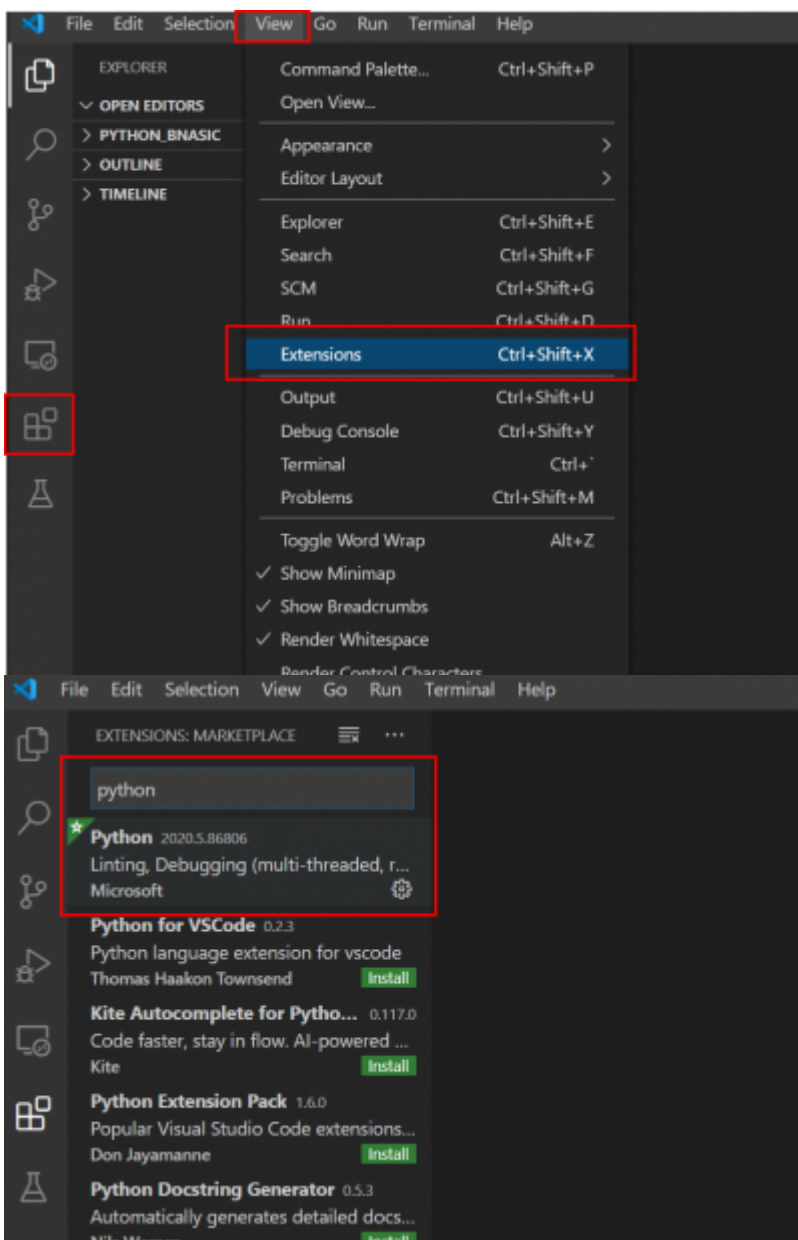
Tip : ( .. )

4.



python : cmd python  
 vscode : cmd code

### 5. vsCode



view > Extensions

Extensions

python install  
 installing

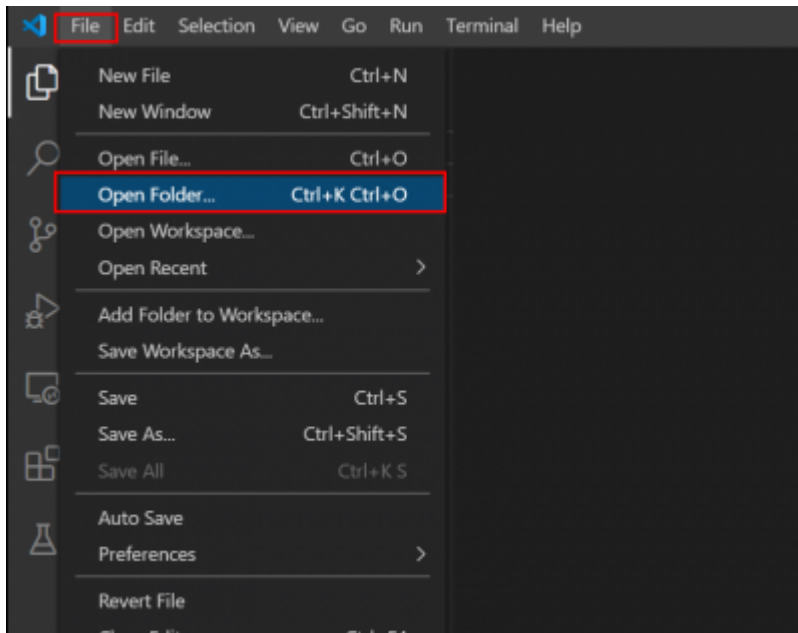
가  
python

installing

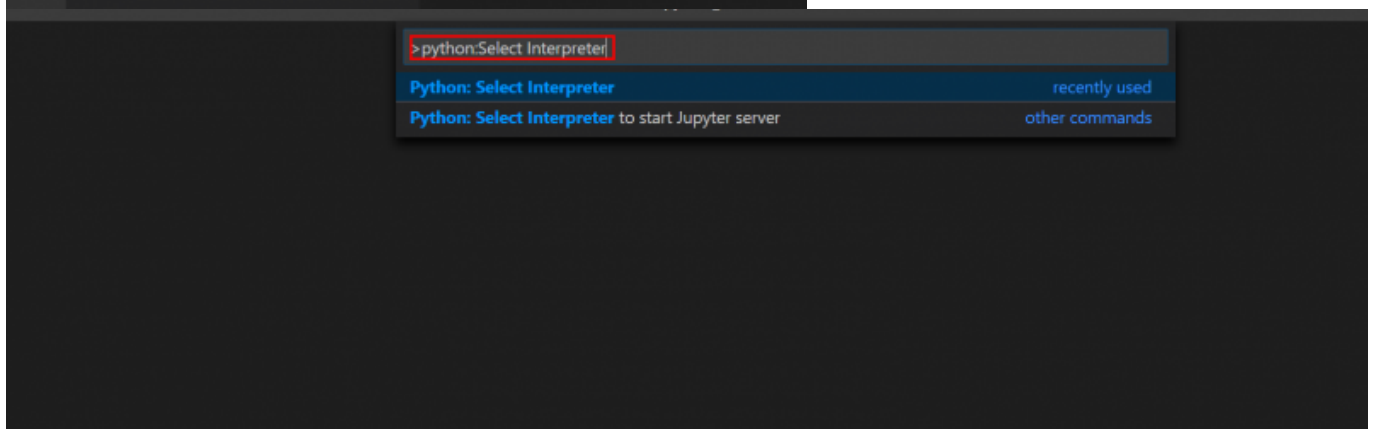
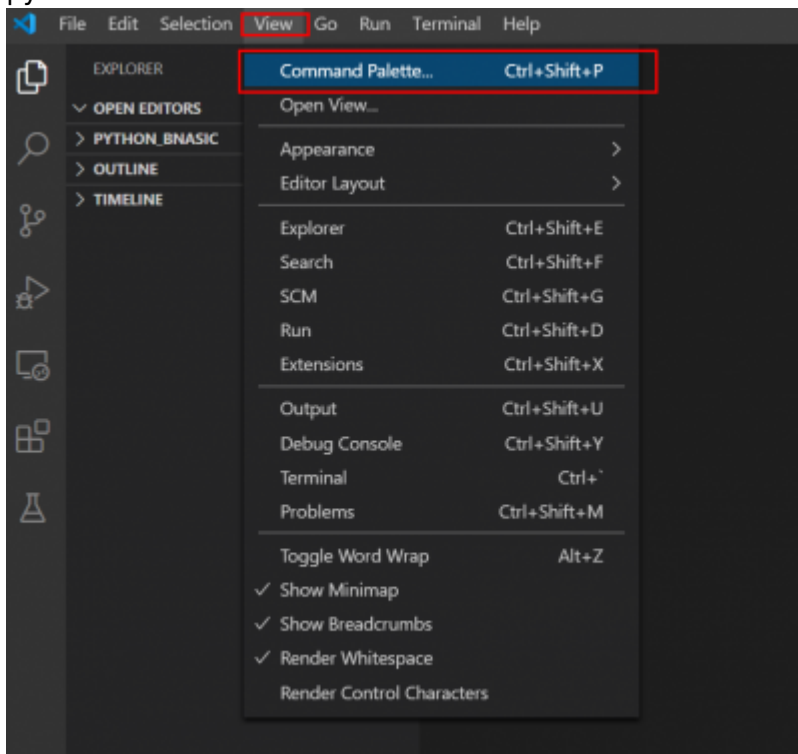
Reload가

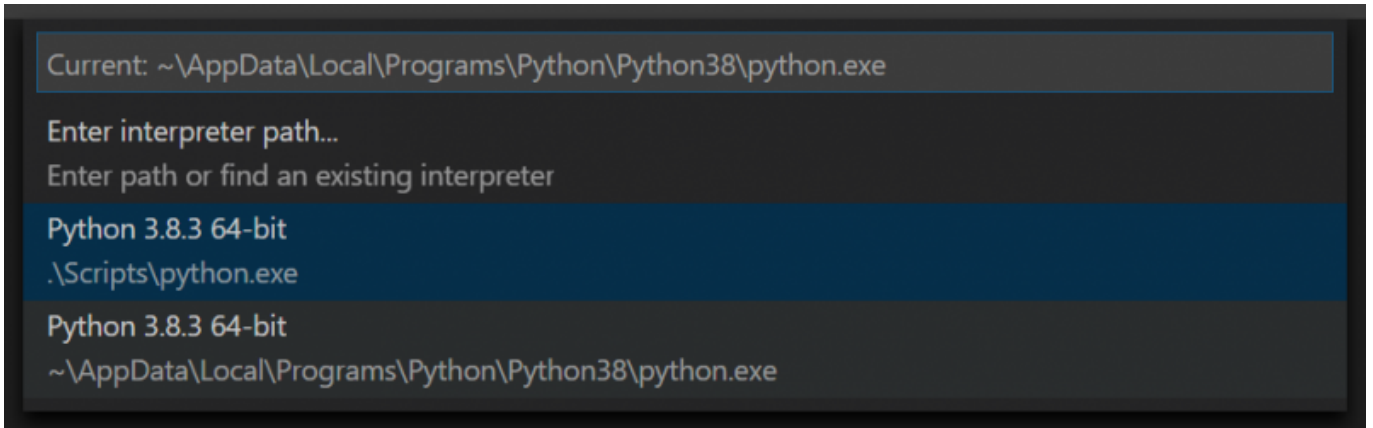
vsCode가

loading



python





view > Command Palette..  
python>Select Interpreter

가 python

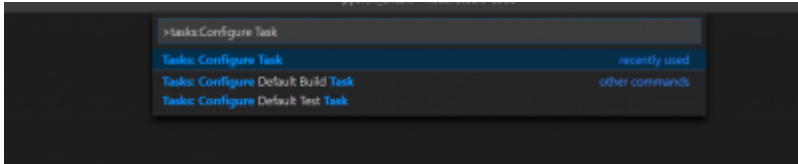
python 64-bit가

Tip : Add Path

### vsCode - task runner

.py (python )  
task runner

view > Command Palette..



Tasks:Configure Task  
Create tasks.json file from template  
Others

가 .vscode > task.json

```

{
  // See https://go.microsoft.com/fwlink/?LinkId=733558
  // for the documentation about the tasks.json format
  "version": "2.0.0",
  "tasks": [
    {
      "label": "Project Label",
      "type": "shell",
      "command": "python",
      "args": [
        "${file}"
      ],
      "presentation": {
        "reveal": "always",
        "panel": "new"
      }
    }
  ]
}

```

```

    },
    "options": {
      "env": {
        "PYTHONIOENCODING": "UTF-8"
      }
    },
    "group": {
      "kind": "build",
      "isDefault": true
    }
  }
]
}

```

Tip : console .py Ctrl + Shift + B  
 가 .

## Python 가

- 가
- 가

## Python ( )

- 1. Print
- 2. -
- 3.
- 4.
- 5.
- 6.
- 7. ( )
- 8.
- 9.
- 10. ( )
- 11. (lambda)
- 12. (Self, , )
- 13. ( , )
- 14.
- 15. ,
- 16.
- 17. Excel, CSV
- 18. (SQLite) -
- 19. (SQLite) -
- 20. (SQLite) -
- 21. ( )
- 22. ( )

# Python Framework Django ( )

## Django ?

Django  
framework)

(web application

## vsCode Terminal

[Terminal](#)

Ref [Django ?](#)

## virtualenv 가 project, app

1. File > Open Folder..

2. Terminal Folder 가

```
# virtualenv
D:\python\django>pip install virtualenv

# fcdjango_venv 가
D:\python\django>virtualenv fcdjango_venv

# fcdjango_venv 가 Script
D:\python\django>cd fcdjango_venv/Script

# activate 가
D:\python\django\fcdjango_venv\Script>activate

#
(fcdjango_venv) D:\python\django\fcdjango_venv\Scripts>cd ..
(fcdjango_venv) D:\python\django\fcdjango_venv>cd ..
(fcdjango_venv) D:\python\django>

# fc_community
(fcdjango_venv) D:\python\django>django-admin startproject fc_community

# fc_community
(fcdjango_venv) D:\python\django>cd fc_community

# board app
(fcdjango_venv) D:\python\django\fc_community>django-admin startapp board
```

# Tip

2020.06.30

# Troubleshooting

# Ref

- 가 - ( )  
 , python

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