

# Python

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

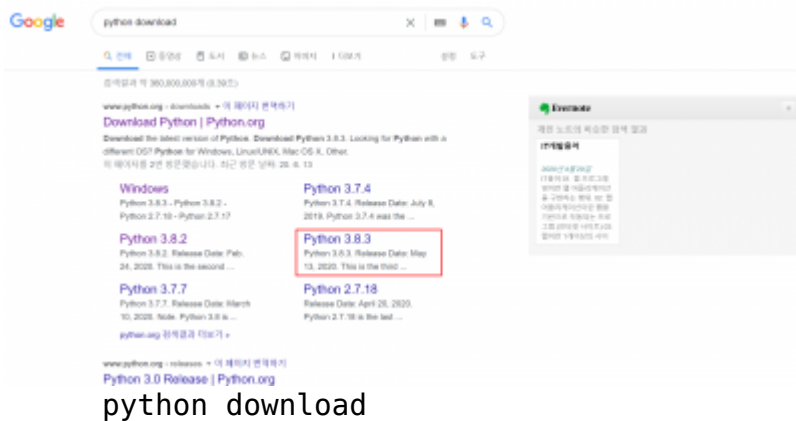
## Python

### Python

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

Library  
 Google\_Colab

## 1. Python



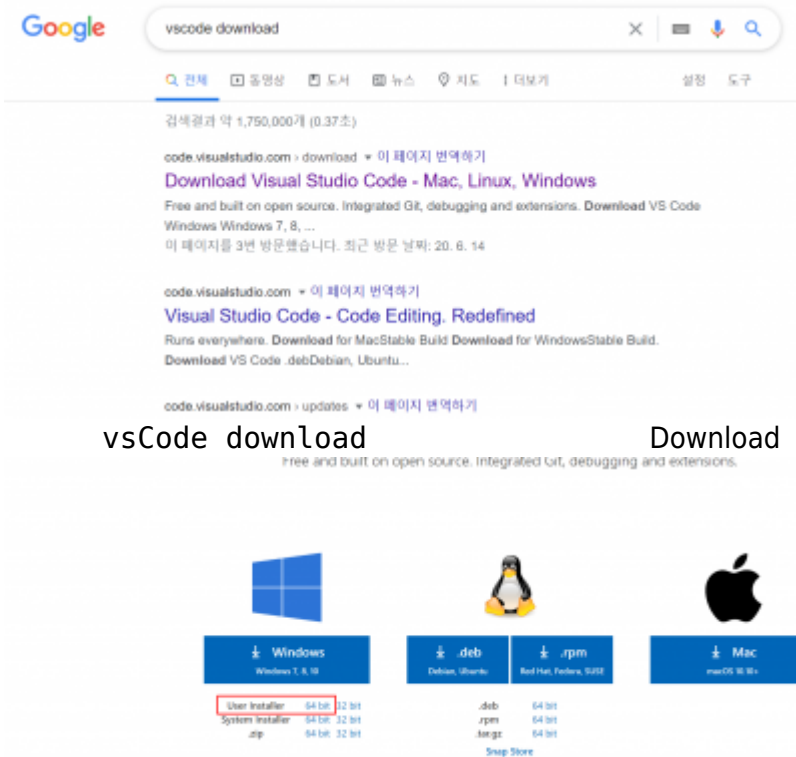
Version	Operating System	Description	MD5 Sum	File Size	QC
Source release	Source release		a7c5a2e3d3d3e75a0ca50463e7807	24657487	5%
XZ compressed source tarball	Source release		3088d5baa41352ae8052112ca76	17812964	5%
macOS 64-bit installer	Mac OS X	For OS X 10.9 and later	085e94e25d225840793e7e413489	38119781	5%
Windows help file	Windows		44ee9d71c3b88802e753a3e3d4022	3968333	5%
Windows x86-64 embeddable zip file	Windows	for AMD64/EM64T/x64	e128e75c18417d3d821e6a978381	8578802	5%
<b>Windows x86-64 executable installer</b>	Windows	for AMD64/EM64T/x64	8d3188c8e8e2ca89f6c2277e12883e	27804880	5%
Windows x86 web-based installer	Windows	for AMD64/EM64T/x64	17e95823e7f9f11e887c28a48e4	1384138	5%
Windows x86 embeddable zip file	Windows		3ee9403e0c2e785e43e4484152e	738053	5%
Windows x86 executable installer	Windows		452173e2e457154228e03948c111f	28744744	5%
Windows x86 web-based installer	Windows		8725028ca3d8e07431805eac3c751	1325808	5%

Files OS  
 Windows 64 Windows x86-64 executable installer

## 2. vsCode

Visual Studio Code

python



Windows > User Installer

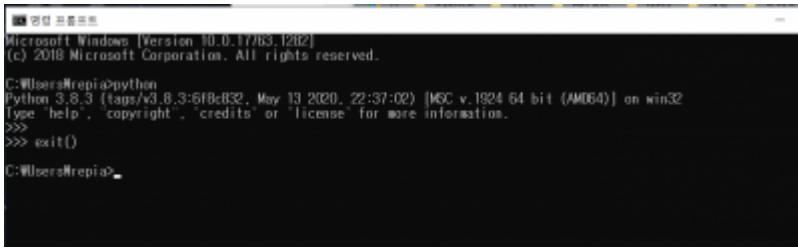
## 3. Install

가 .

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

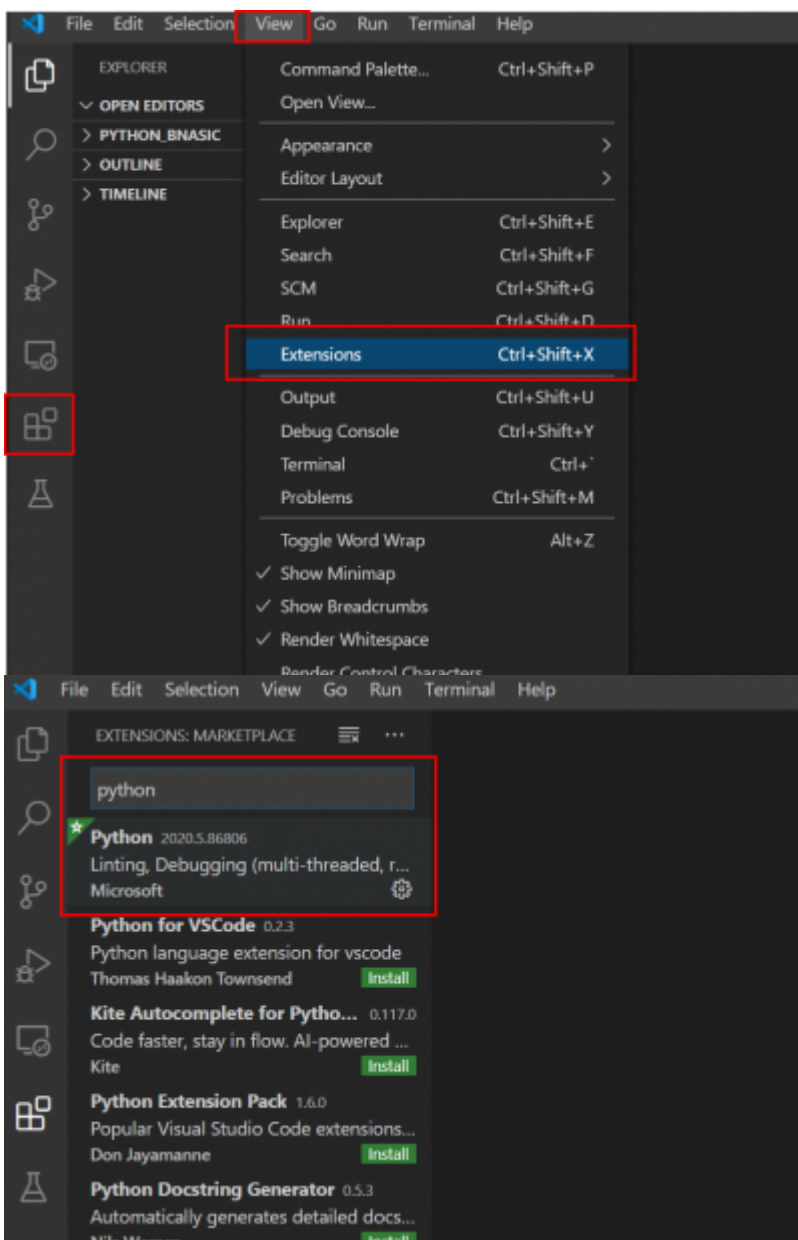
Tip : . ( .. )

4.



python : cmd python  
 vscode : cmd code

### 5. vsCode



view > Extensions

Extensions

python install  
 installing

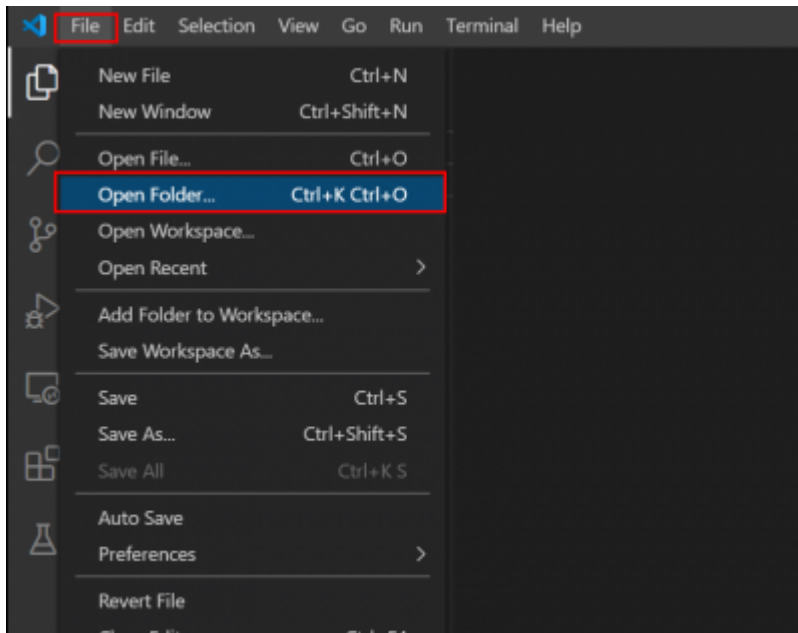
가  
python

installing

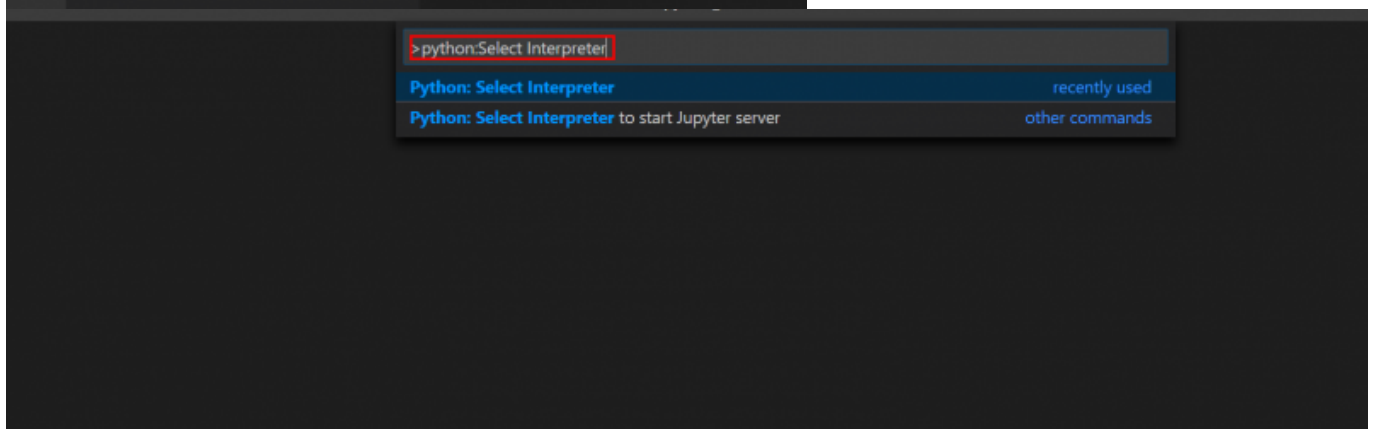
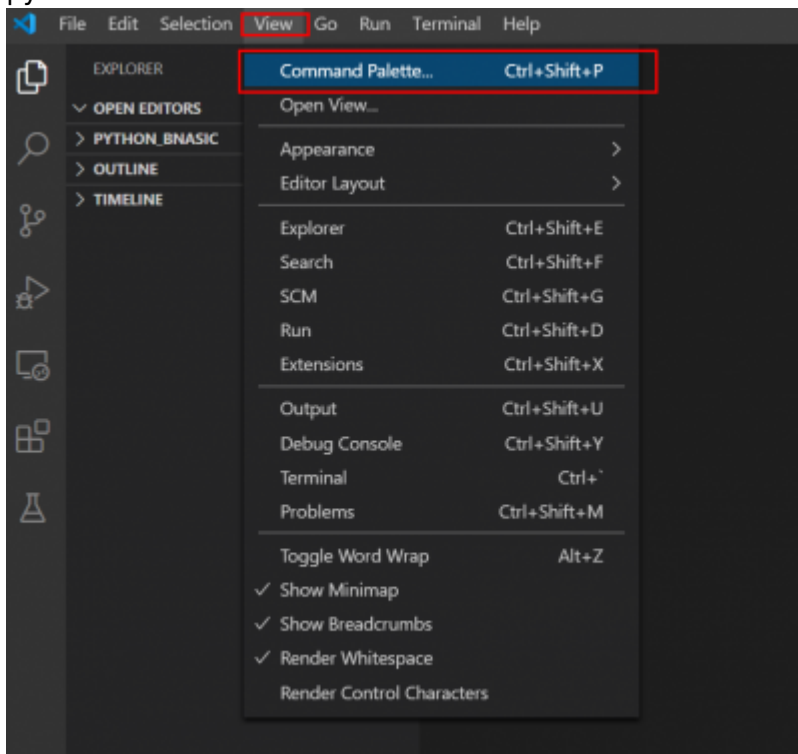
Reload가

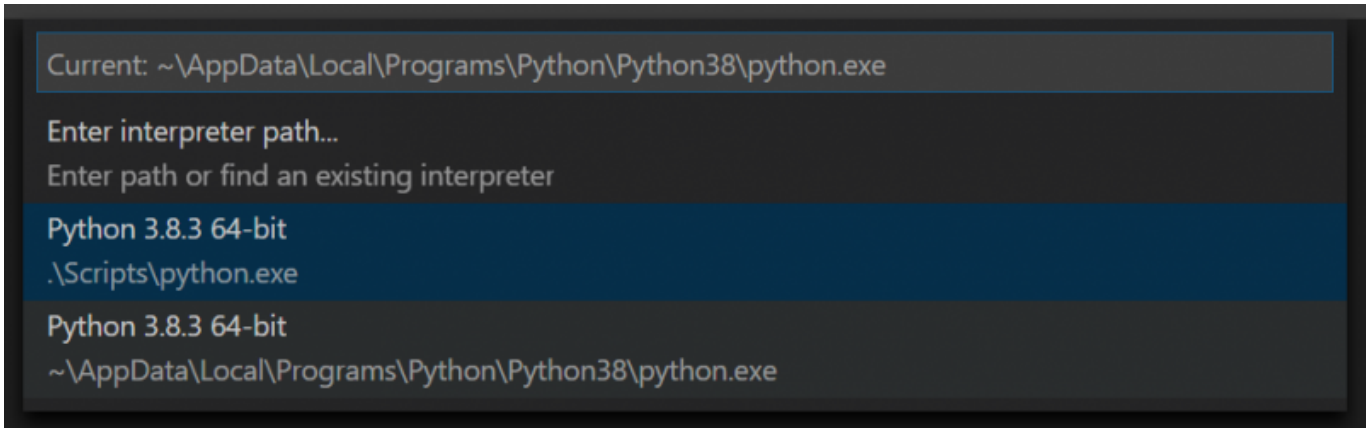
vsCode가

loading



python





view > Command Palette..  
python>Select Interpreter

가 python

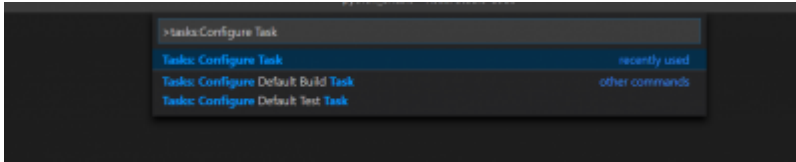
python 64-bit가

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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