Python

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

Python

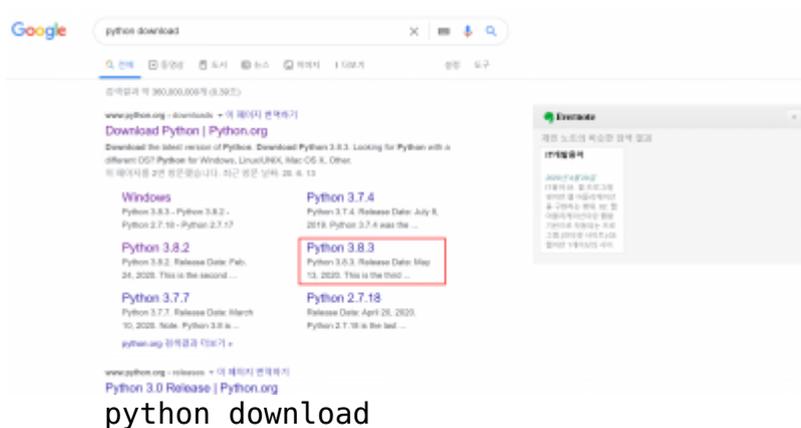### Python

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

[Library](#)

[Google_Colab](#)
[Python] python coding convention( )

1. Python

python download .

Files   OS   .
Windows   64   Windows x86-64 executable installer

2. vsCode

Visual Studio Code   python   .

vsCode download   Download   .

Windows > User Installer   .

3. Install

                                           .
                                           .

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

Tip :   . (..   .)
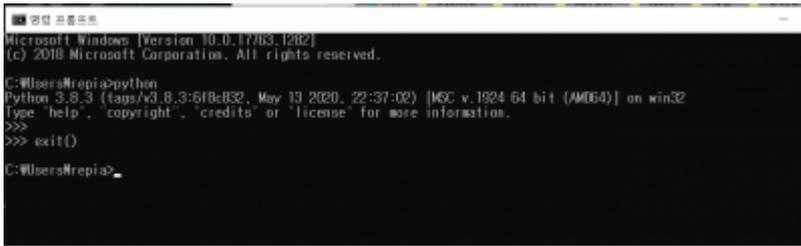
4.

python :   cmd   `python`   .
vscode : cmd   `code`   .
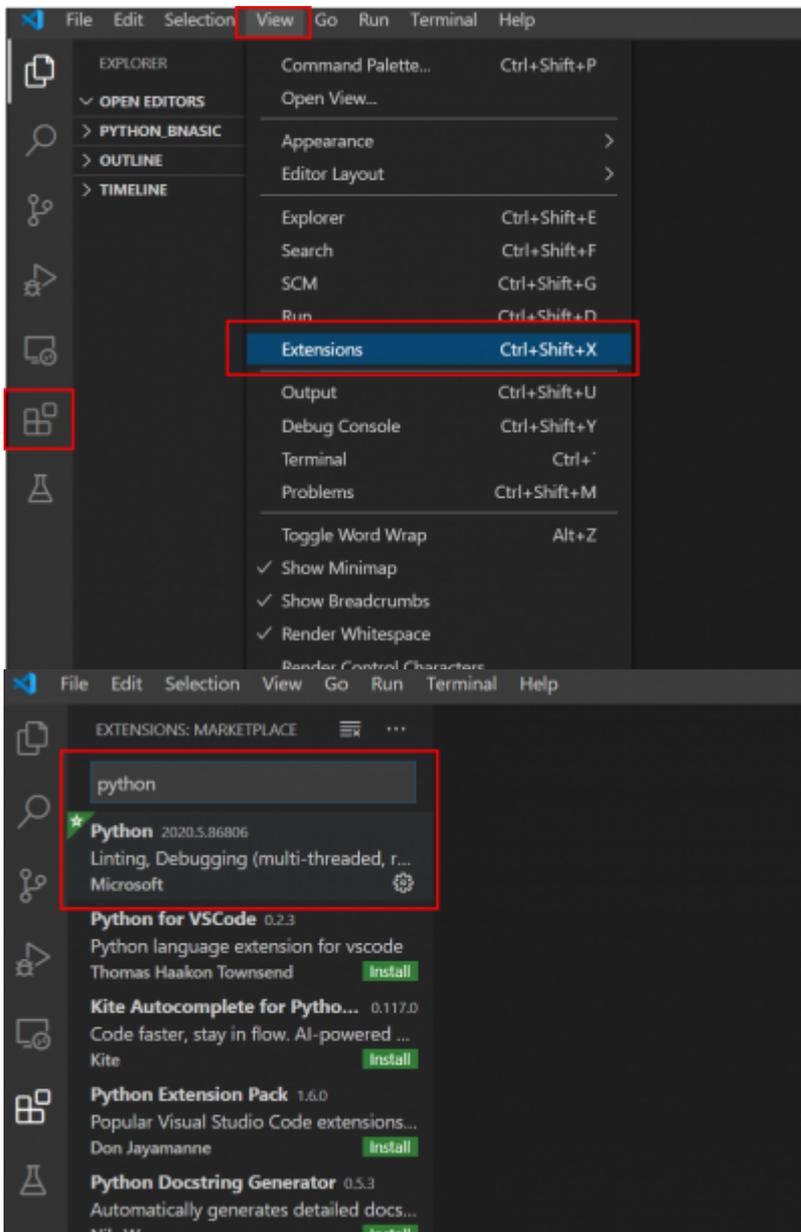
5. vsCode

view > Extensions   Extensions   .
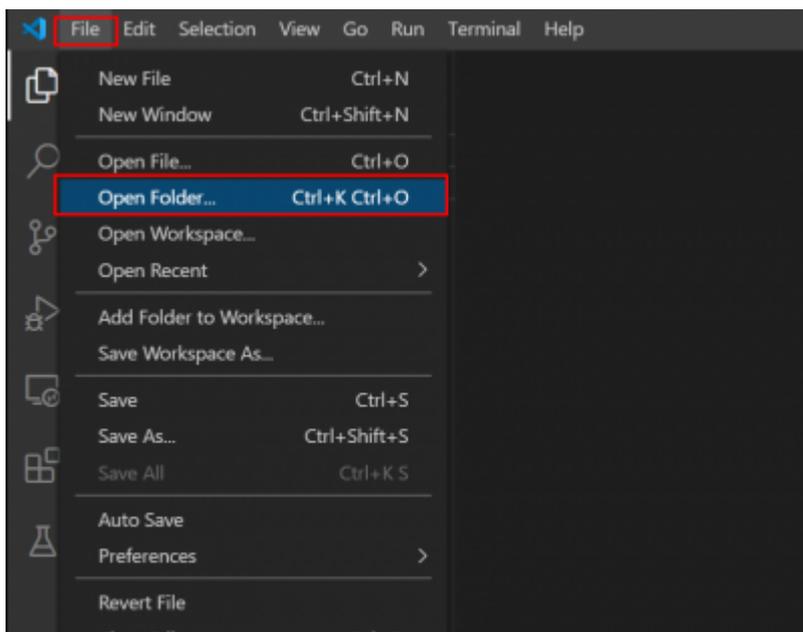phthon   `install`   .
                  installing   .

installing   Reload   vsCode   loading
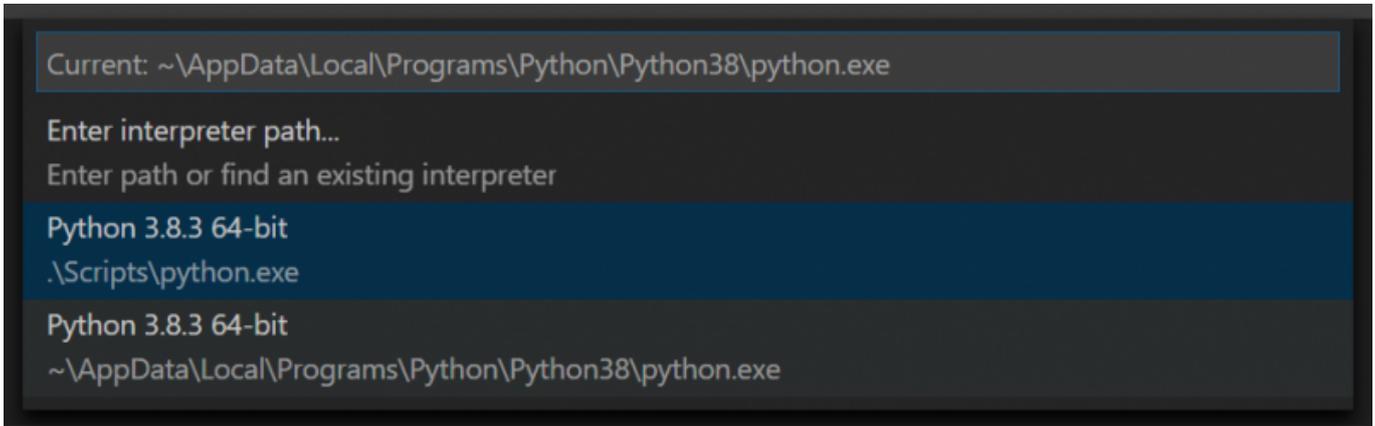
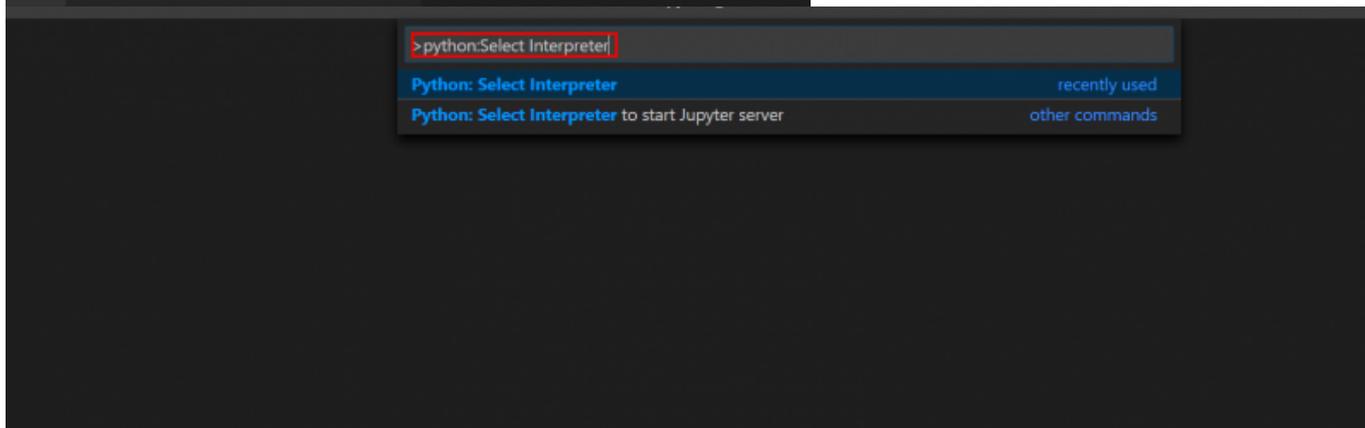python   .
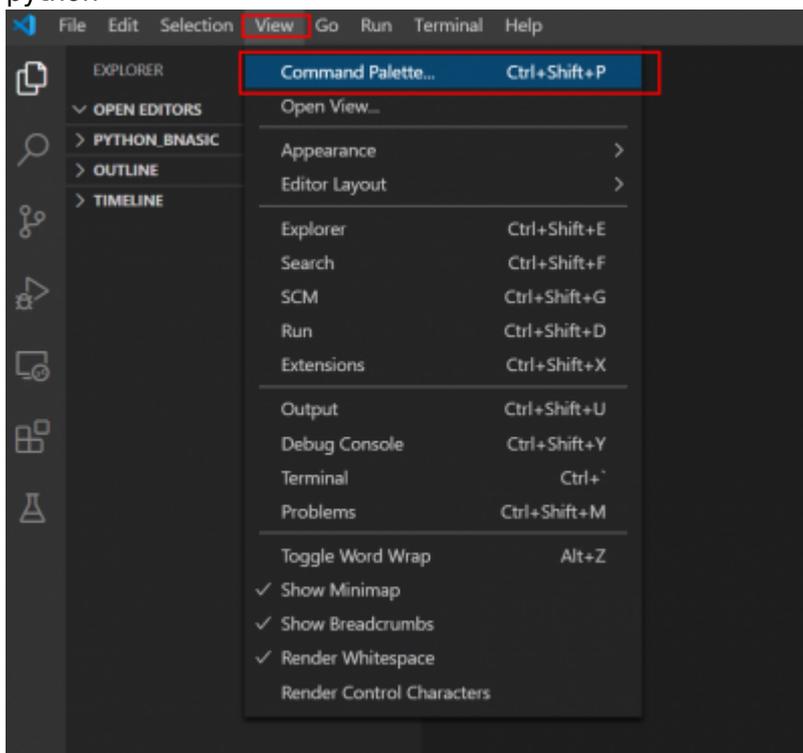
python   .

view > Command Palette..
python:Select Interpreter

python .

python 64-bit .
Tip : Add Path .

vsCode - task runner

.py (pytion)
task runner .

view > Command Palette..
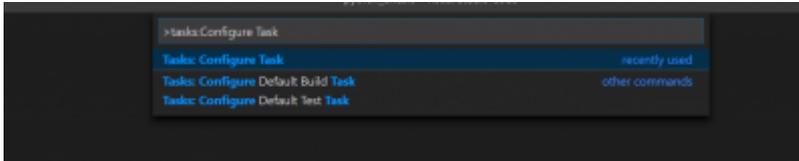
Tasks:Configure Task
Create tasks.json file from template
Others

.vscode > task.json .

.

```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"
```

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

Tip :   console   .py   Ctrl + Shift + B
.

Python

-
-

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 (web application framework) .
> .

vsCode Terminal

Terminal

Ref Django ?

virtualenv　　　　　　　project, app

1. File > Open Folder.. .
2. Terminal Folder .

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

# fcdjango_venv
D:\python\django>virtualenv fcdjango_venv

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

# activate
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

-                     - ( )   .

    , [python](#)

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