

# Python

- description : python
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## Python


### Python


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

[Library](#)

[Google\\_Colab](#)

## 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

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 Reload가 vsCode가 loading  
가 installing python

 python  



view > Command Palette..  
python:Select Interpreter  
가 python 64-bit가

Tip : Add Path

#### vsCode - task runner

.py (pytion )  
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

Ref Django ? Terminal

### 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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