

윈도우에 파이썬 및 가상환경을 위한 virtualenv 설치

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파이썬 설치

설치파일 다운로드

<https://www.python.org/ftp/python/3.7.3/python-3.7.3-amd64.exe> 다운로드

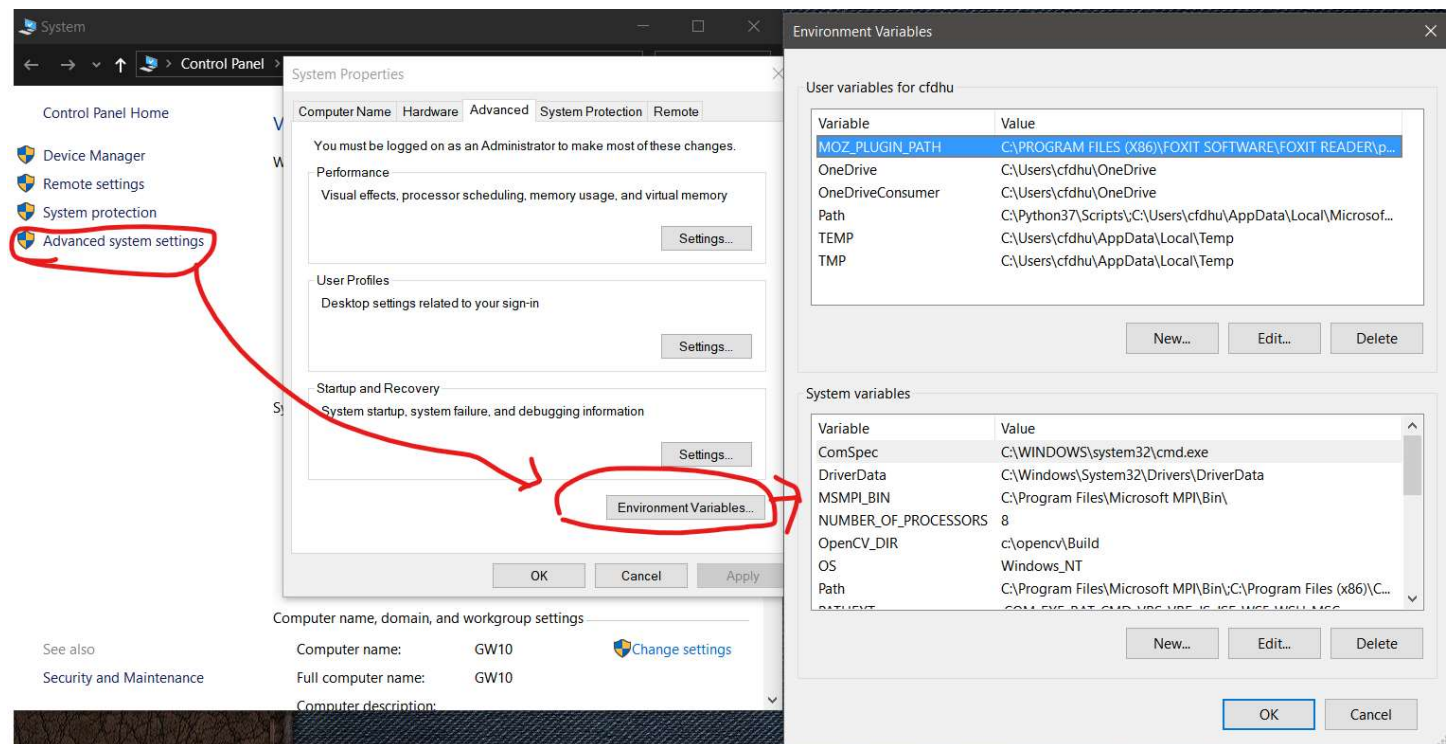
<https://www.python.org/ftp/python/2.7.16/python-2.7.16.amd64.msi> 다운로드

Customize installation으로 설치 시작한다. 설치할 경로를 다음과 같이 설정한다.

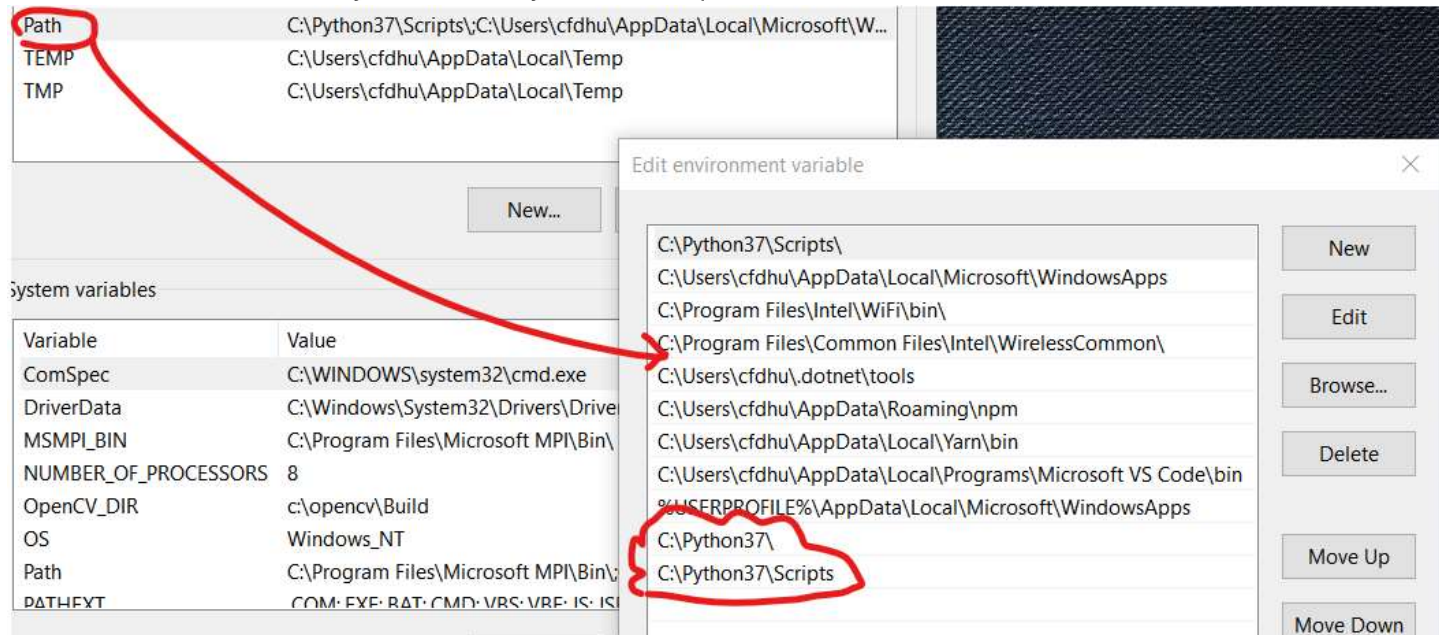
C:\Python27

C:\Python37

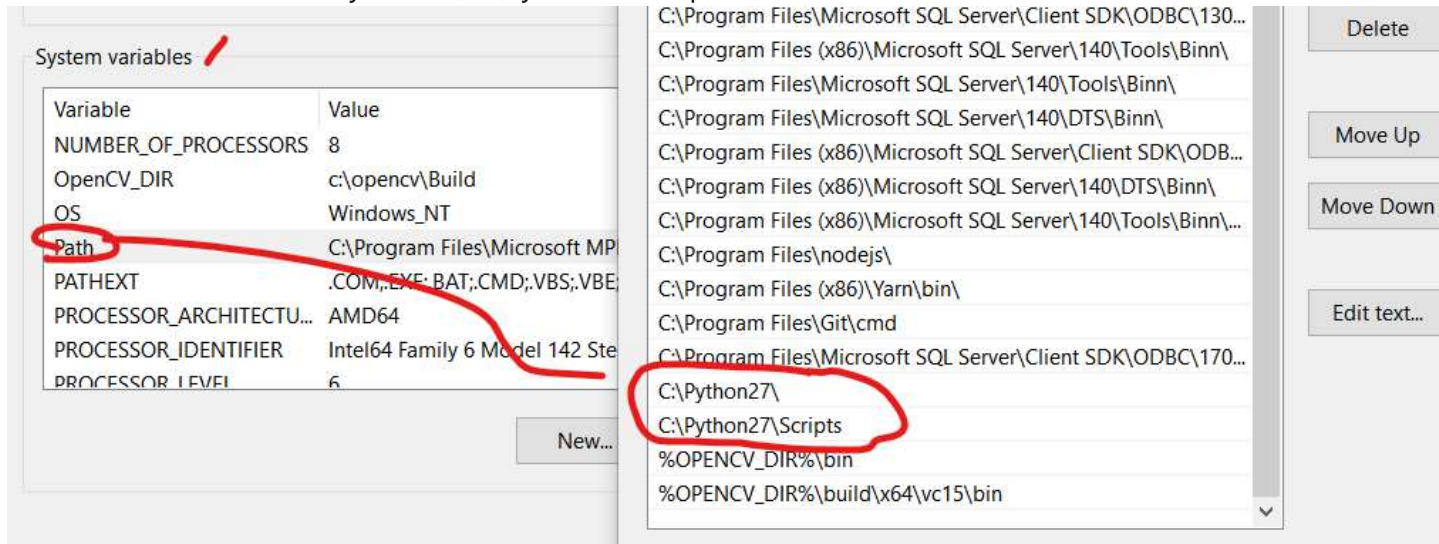
환경변수 설정



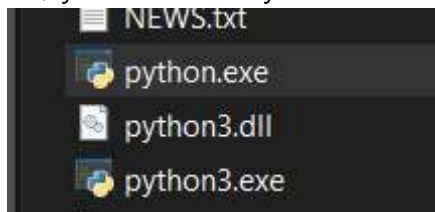
사용자 변수의 Path에 C:\Python37, C:\Python37\Scripts 추가



시스템 변수의 Path에 c:\Python27, c:\Python27\Scripts 를 추가



C:\Python37 에서 Python.exe를 복사하여 파일명을 Python3.exe로 한다.



Command창에서 파이썬 버전확인

```
Command Prompt
Microsoft Windows [Version 10.0.18362.175]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\cfdhu>python
Python 2.7.16 (v2.7.16:413a49145e, Mar  4 2019, 01:37:19) [MSC v.1500 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
^C
C:\Users\cfdhu>python -V
Python 2.7.16

C:\Users\cfdhu>python3 -V
Python 3.7.3

C:\Users\cfdhu>
```

virtualenv 설치

pip install virtualenv

```
C:\Users\cfdhu>pip install virtualenv
Collecting virtualenv
  Downloading https://files.pythonhosted.org/packages/c4/9a/a3f62ac5122a65dec34ad4b5ed8d802633dae4f/
    100% |#####| 2.0MB 2.0MB/s
Successfully installed virtualenv-16.6.1
You are using pip version 18.1, however version 19.1.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
```

가상폴더 python2 생성

virtualenv py2-image-resize

```
D:\>virtualenv py2-image-resize
New python executable in D:\py2-image-resize\Scripts\python.exe
Installing setuptools, pip, wheel...
```

가상환경 활성화

```
D:\py2-image-resize>cd scripts
D:\py2-image-resize\Scripts>activate
(py2-image-resize) D:\py2-image-resize\Scripts>
```

가상폴더 python3 생성

파이썬3 설치폴더에서 python.exe를 python3.exe로 복사한다.

```
D:\>python3 -m virtualenv py3-image-resize
```

```
C:\Python37\python3.exe: No module named virtualenv
```

```
D:\>virtualenv -p python3 py3-image-resize
```

```
Running virtualenv with interpreter C:\Python37\python3.exe
```

```
Already using interpreter C:\Python37\python3.exe
```

```
Using base prefix 'C:\\Python37'
```

```
New python executable in D:\py3-image-resize\Scripts\python3.exe
```

```
Also creating executable in D:\py3-image-resize\Scripts\python.exe
```

```
Installing setuptools, pip, wheel...
```