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Mata Kuliah: Pemrograman Mobile - C

pip

1. Mengecek Modul dengan pip

- a. Buka command prompt
- b. Setelah terbuka, ketikkan **pip list**

```
Microsoft Windows [Version 10.0.19043.1466]
(c) Microsoft Corporation. All rights reserved.

C:\Users\USER>pip list
Package            Version
-----
atomicwrites       1.4.0
attrs              21.2.0
backcall           0.2.0
colorama           0.4.4
debugpy            1.5.0
decorator          5.1.0
entrypoints        0.3
iniconfig          1.1.1
ipykernel          6.4.1
```

- c. Disini tidak terlihat tulisan **DEPRECATION**, Namun karna versi milik saya cukup tertinggal, maka saya akan melakukan update terlebih dahulu.

```
tornado            6.1
traitlets          5.1.0
wcwidth            0.2.5
WARNING: You are using pip version 21.2.3; however, version 22.1 is available.
You should consider upgrading via the 'C:\Users\USER\AppData\Local\Programs\Python\Python310\python.exe -m pip install --upgrade pip' command.

C:\Users\USER>
```

- d. Ketikkan python **-m pip install --upgrade pip** pada command prompt untuk mengupdate, dan beginilah tampilannya setelah diupdate.

```
C:\Windows\system32\cmd.exe

C:\Users\USER>-m pip install --upgrade pip
'-m' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\USER>

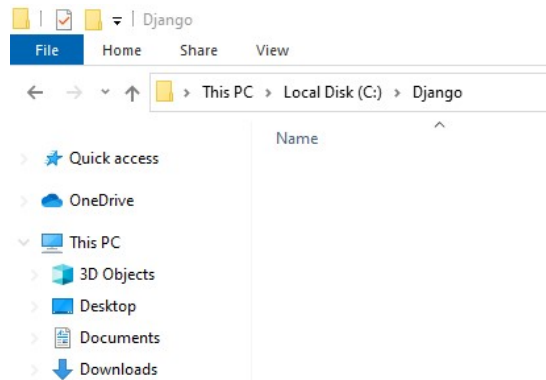
C:\Users\USER>C:\Users\USER\AppData\Local\Programs\Python\Python310\python.exe -m pip install --upgrade pip
Requirement already satisfied: pip in c:\users\user\appdata\local\programs\python\python310\lib\site-packages (21.2.3)
Collecting pip
  Downloading pip-22.1-py3-none-any.whl (2.1 MB)
    | 2.1 MB 181 kB/s
Installing collected packages: pip
  Attempting uninstall: pip
    Found existing installation: pip 21.2.3
    Uninstalling pip-21.2.3:
      Successfully uninstalled pip-21.2.3
Successfully installed pip-22.1

C:\Users\USER>
```

Virtual Environment

1. Instalasi Virtualenv dan Django

- a. Buat folder baru (Django) untuk lokasi virtualenv.



- b. Buka command prompt untuk melakukan instalasi virtualenv dan menggunakan django framework kita selalu menggunakan command prompt

- Ketik **dir** untuk mengecek directory
- Lalu ketik **cd..** untuk kembali ke folder sebelumnya, kemudian ketik **cd nama folder (Django)** untuk masuk ke directory.

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19043.1466]
(c) Microsoft Corporation. All rights reserved.

C:\Users\USER>cd..

C:\Users>cd..

C:\>cd Django

C:\Django>
```

- c. Setelah berada pada directory **Django**, ketikkan **python -m venv Env**

```
C:\Windows\system32\cmd.exe - python -m venv Env
Microsoft Windows [Version 10.0.19043.1466]
(c) Microsoft Corporation. All rights reserved.

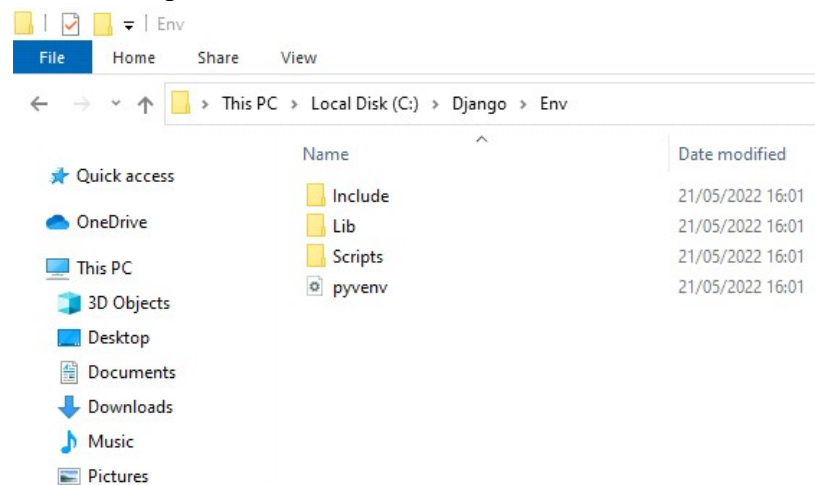
C:\Users\USER>cd..

C:\Users>cd..

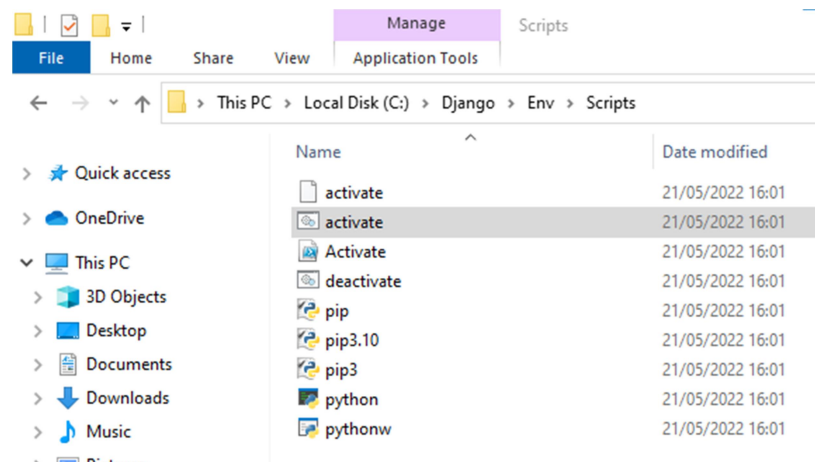
C:\>cd Django

C:\Django>python -m venv Env
```

- d. Cek File Explorer sudah terbuat folder **Env**



- e. Kemudian kita akan mengakses file **activate** di dalam folder **Scripts**. Untuk masuk ke **Virtual Environment**.



- f. Kembali ke cmd, tambahkan **Env\Scripts\activate.bat** maka kita sudah masuk ke dalam **Virtualenv**

```
C:\Windows\system32\cmd.exe
C:\Django>
C:\Django>Env\Scripts\activate.bat
(Env) C:\Django>
```

- g. Cek modul kembali dengan mengetik **pip list**. Terlihat bahwa **modul-modul di dalam Virtualenv** berbeda dengan **modul-modul global**.

```
C:\Windows\system32\cmd.exe
C:\Django>
C:\Django>Env\Scripts\activate.bat

(Env) C:\Django>pip list
Package      Version
-----
pip          21.2.3
setuptools   57.4.0
WARNING: You are using pip version 21.2.3; however, version 22.1 is available.
You should consider upgrading via the 'C:\Django\Env\Scripts\python.exe -m pip install --upgrade pip' command.

(Env) C:\Django>
```

- h. Update kembali pip di dalam Virtualenv. Ketik kembali **python -m pip install --upgrade pip**. Gambar di bawah menunjukkan **pip** berhasil di-update.

```
C:\Windows\system32\cmd.exe
C:\Django>
C:\Django>Env\Scripts\activate.bat

(Env) C:\Django>pip list
Package      Version
-----
pip          21.2.3
setuptools   57.4.0
WARNING: You are using pip version 21.2.3; however, version 22.1 is available.
You should consider upgrading via the 'C:\Django\Env\Scripts\python.exe -m pip install --upgrade pip' command.

(Env) C:\Django>python -m pip install --upgrade pip
Requirement already satisfied: pip in c:\django\env\lib\site-packages (21.2.3)
Collecting pip
  Using cached pip-22.1-py3-none-any.whl (2.1 MB)
Installing collected packages: pip
  Attempting uninstall: pip
    Found existing installation: pip 21.2.3
    Uninstalling pip-21.2.3:
      Successfully uninstalled pip-21.2.3
Successfully installed pip-22.1

(Env) C:\Django>
```

- i. Cek modul kembali dengan mengetik pip list.

```
C:\Windows\system32\cmd.exe
Successfully installed pip-22.1

(Env) C:\Django>pip list
Package      Version
-----
pip          22.1
setuptools   57.4.0

(Env) C:\Django>
```

- j. Selanjutnya instal **Django** di dalam **Virtualenv**. Ketik **pip install Django==1.11.***

```
C:\Windows\system32\cmd.exe - pip install Django==1.11.*
Successfully installed pip-22.1

(Env) C:\Django>pip list
Package      Version
-----
pip          22.1
setuptools   57.4.0

(Env) C:\Django>pip install Django==1.11.*
Collecting Django==1.11.*
  Downloading Django-1.11.29-py2.py3-none-any.whl (6.9 MB)
-----
6.9/6.9 MB 530.0 kB/s eta 0:00:00
Collecting pytz
  Downloading pytz-2022.1-py2.py3-none-any.whl (503 kB)
-----
503.5/503.5 kB 1.3 MB/s eta 0:00:00
Installing collected packages: pytz, Django
```

- k. Cek **modul** kembali dengan mengetik **pip list**. Paket/modul **Django** sudah terinstal di dalam **Virtualenv**

```
C:\Windows\system32\cmd.exe

(Env) C:\Django>pip list
Package      Version
-----
Django       1.11.29
pip          22.1
pytz         2022.1
setuptools   57.4.0

(Env) C:\Django>
```

- l. Untuk keluar dari **Virtualenv**, ketik **Env\Scripts\deactivate.bat**