Lab. Django 설치하기

1. Python 가상환경 생성 및 활성화하기
   1)가상환경 생성
      -Windows
         > python -m venv DjangoHome

      -macOS
         $ pip install virtualenv
         $ virtualenv DjangoHome
         created virtual environment CPython3.11.2.final.0-64 in 761ms
           creator CPython3Posix(dest=/Users/henry/DjangoHome, clear=False, no_vcs_ignore=False, global=False)
           seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy,
           app_data_dir=/Users/henry/Library/Application Support/virtualenv)
             added seed packages: pip==23.0.1, setuptools==67.6.1, wheel==0.40.0
           activators BashActivator,CShellActivator,FishActivator,NushellActivator,PowerShellActivator,PythonActivator

   2)가상환경 활성화하기
      -Windows
         > cd DjangoHome
         > cd Scripts
         > activate

      -macOS
         $ source ./DjangoHome/bin/activate
         (DjangoHome) ~

2. Django 설치하기
   $ cd DjangoHome
   $ pip install Django
   Collecting Django
     Using cached Django-4.2.1-py3-none-any.whl (8.0 MB)
   Collecting asgiref<4,>=3.6.0
     Using cached asgiref-3.6.0-py3-none-any.whl (23 kB)
   Collecting sqlparse>=0.3.1
     Using cached sqlparse-0.4.4-py3-none-any.whl (41 kB)
   Installing collected packages: sqlparse, asgiref, Django
   Successfully installed Django-4.2.1 asgiref-3.6.0 sqlparse-0.4.4

   [notice] A new release of pip is available: 23.0.1 -> 23.1.2
   [notice] To update, run: pip install --upgrade pip

   ※만일 특정 버전 지정해서 설치시
      $ pip install Django==3.2.9

3. pip upgrade
   $ python -m pip install --upgrade pip
   Requirement already satisfied: pip in /Users/henry/DjangoHome/lib/python3.11/site-packages (23.0.1)
   Collecting pip
     Using cached pip-23.1.2-py3-none-any.whl (2.1 MB)
   Installing collected packages: pip
     Attempting uninstall: pip
       Found existing installation: pip 23.0.1
       Uninstalling pip-23.0.1:
         Successfully uninstalled pip-23.0.1
   Successfully installed pip-23.1.2

4. Django 삭제하기
   $ pip uninstall Django

5. Django 설치 후 버전 확인
   1)Python Shell에서
      $ python
      >>> import django
      >>> print(django.get_version())
      4.2.1
      >>> quit()

   2)CLI에서
      $ python -m django --version
      4.2.1