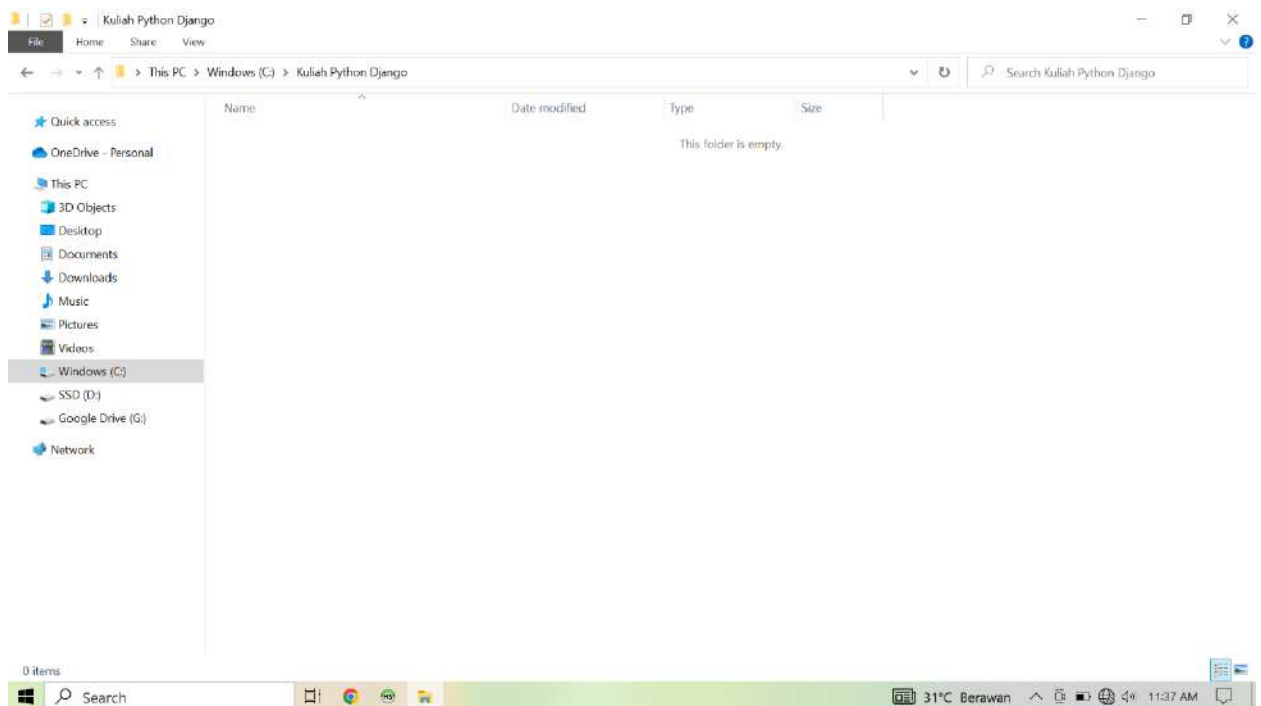


Nama : Ambar Wati
NIM : 20.01.013.001
Kelas : C
Mata Kuliah : Pemrograman Python

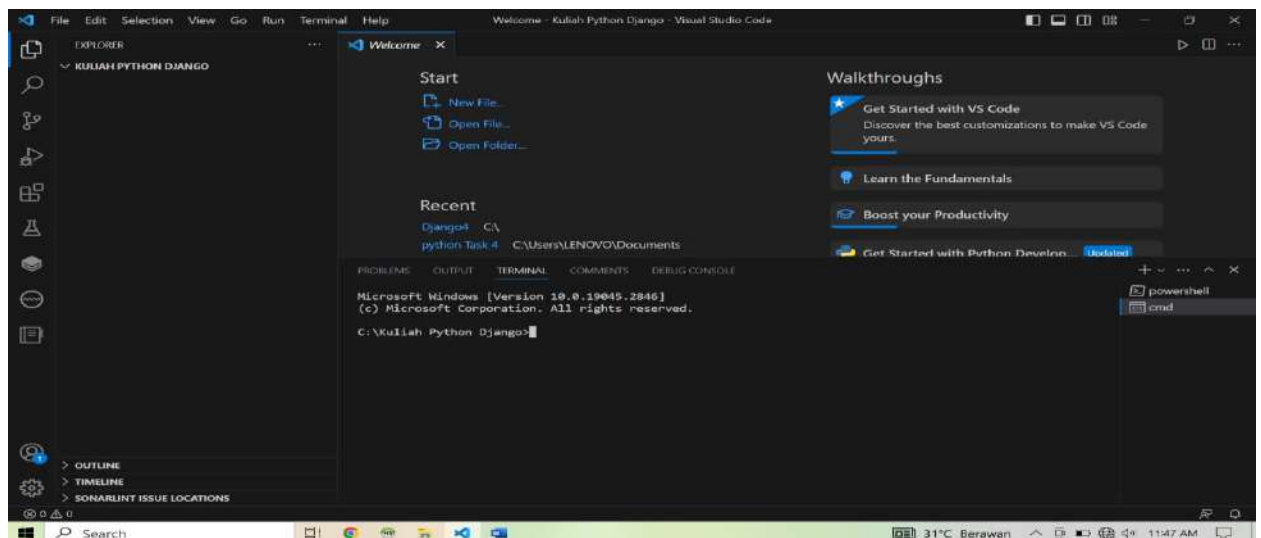
Task 10

Python Django – Instalasi Django

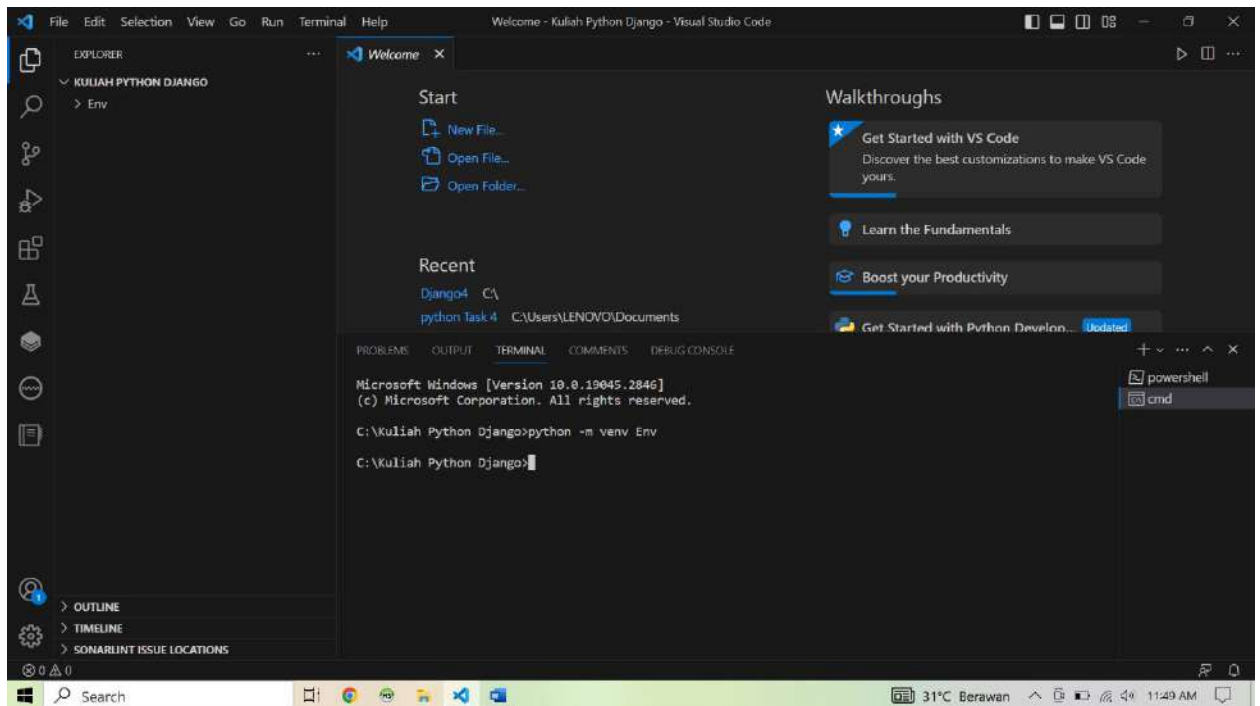
1. Membuat Folder baru (Kuliah Python Django)



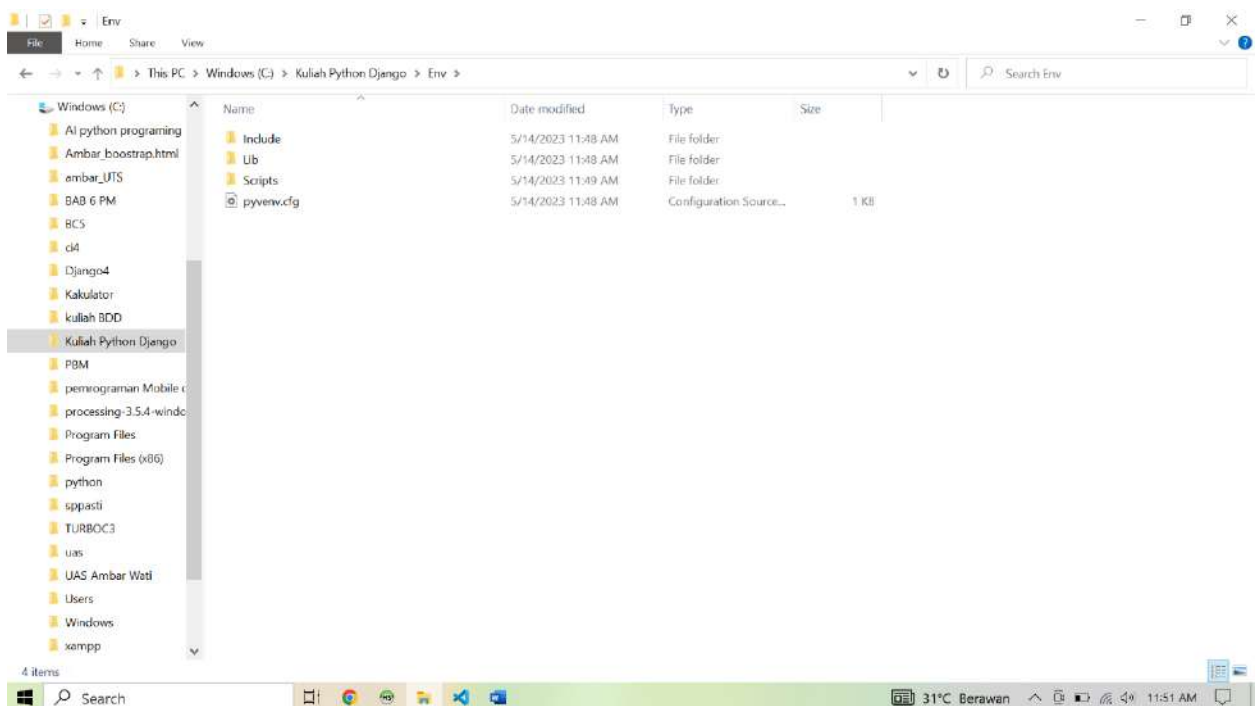
2. Directory Kuliah Python Django



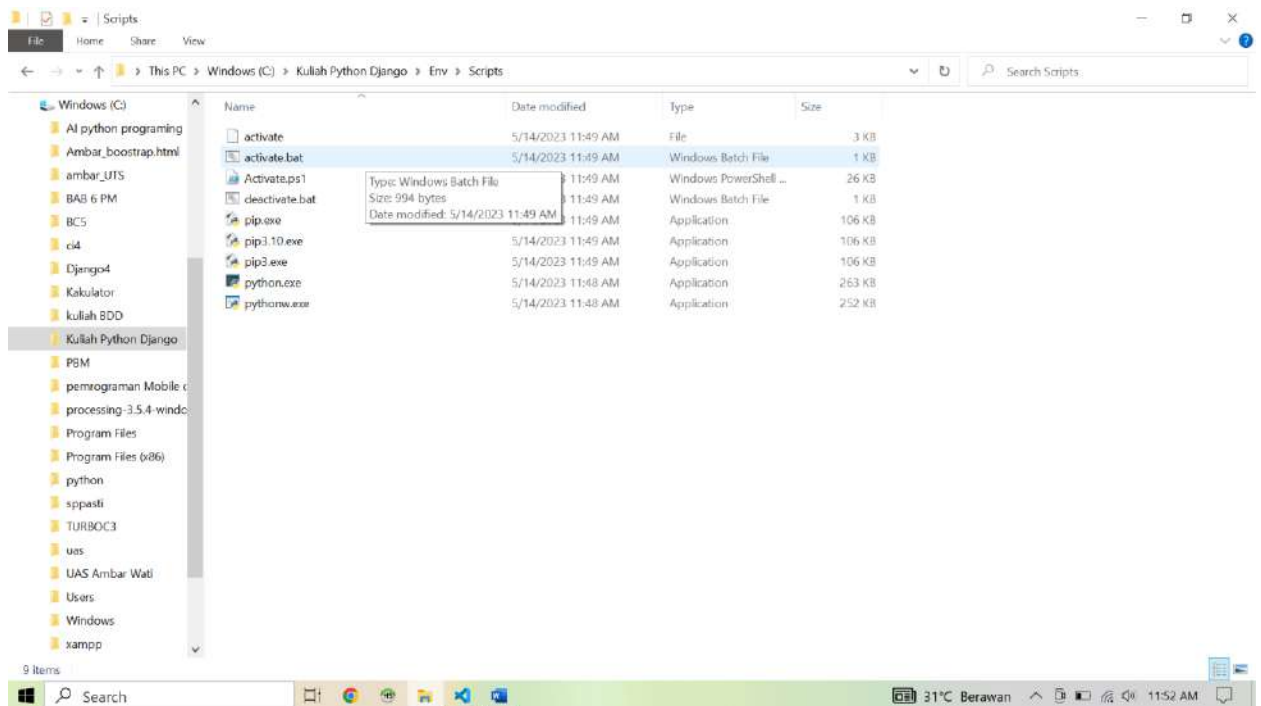
3. Ketik python -m venv Env



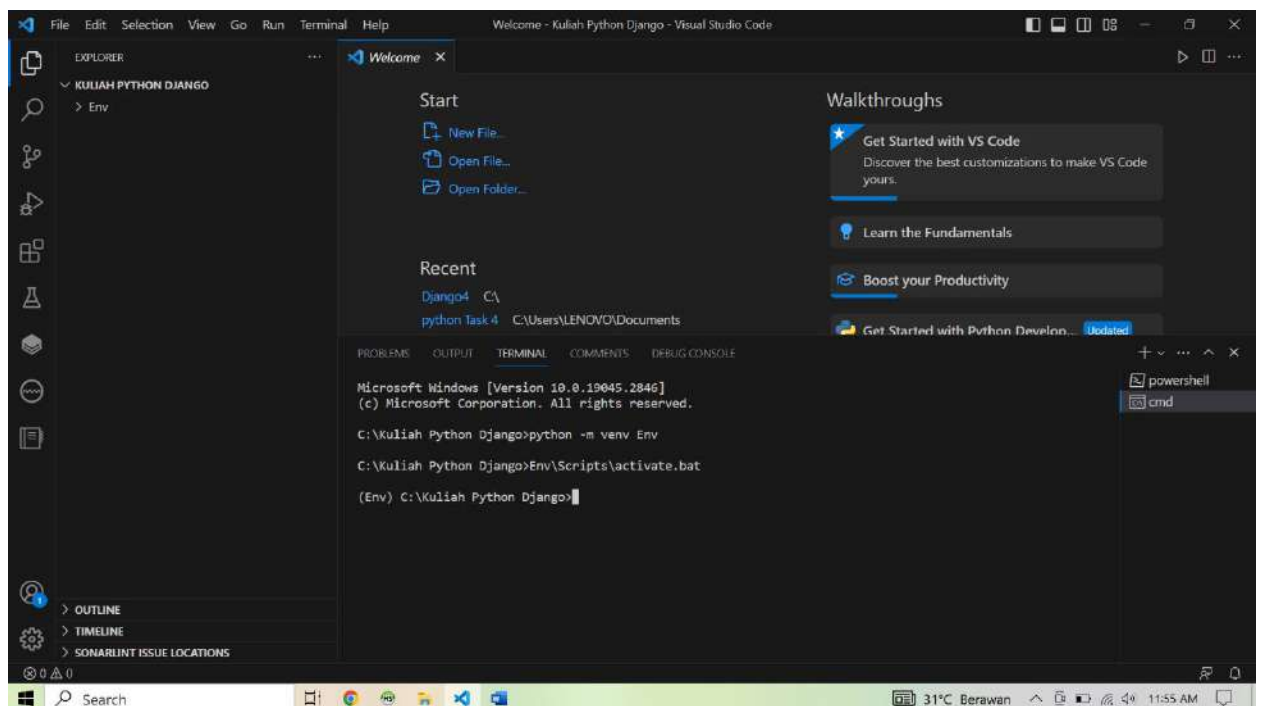
4. Kemudian cek Windows Explorer dan sudah terbuka folder Env



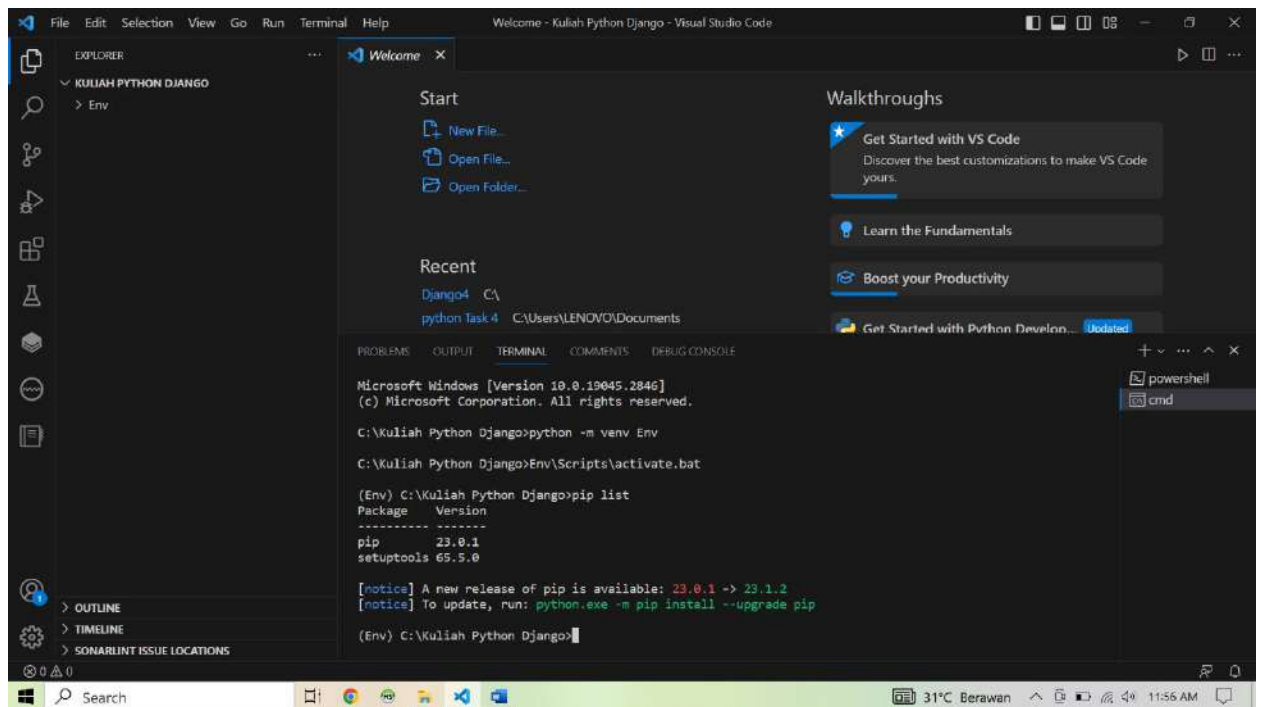
5. Selanjutnya mengakses file Activate di dalam folder Scripts agar masuk ke Virtual Environment



6. Kembali ke cmd dan ketik Env\Scripts\activate.bat maka sudah masuk ke dalam Virtualenv



7. Cek modul



The screenshot shows the Visual Studio Code interface with the Explorer panel on the left displaying the project structure: KULIAH PYTHON DJANGO > Env. The main editor area shows the 'Welcome' page with 'Start' and 'Walkthroughs' sections. The TERMINAL panel at the bottom displays the following commands and output:

```
Microsoft Windows [Version 10.0.19045.2846]
(c) Microsoft Corporation. All rights reserved.

C:\Kuliah Python Django>python -m venv Env

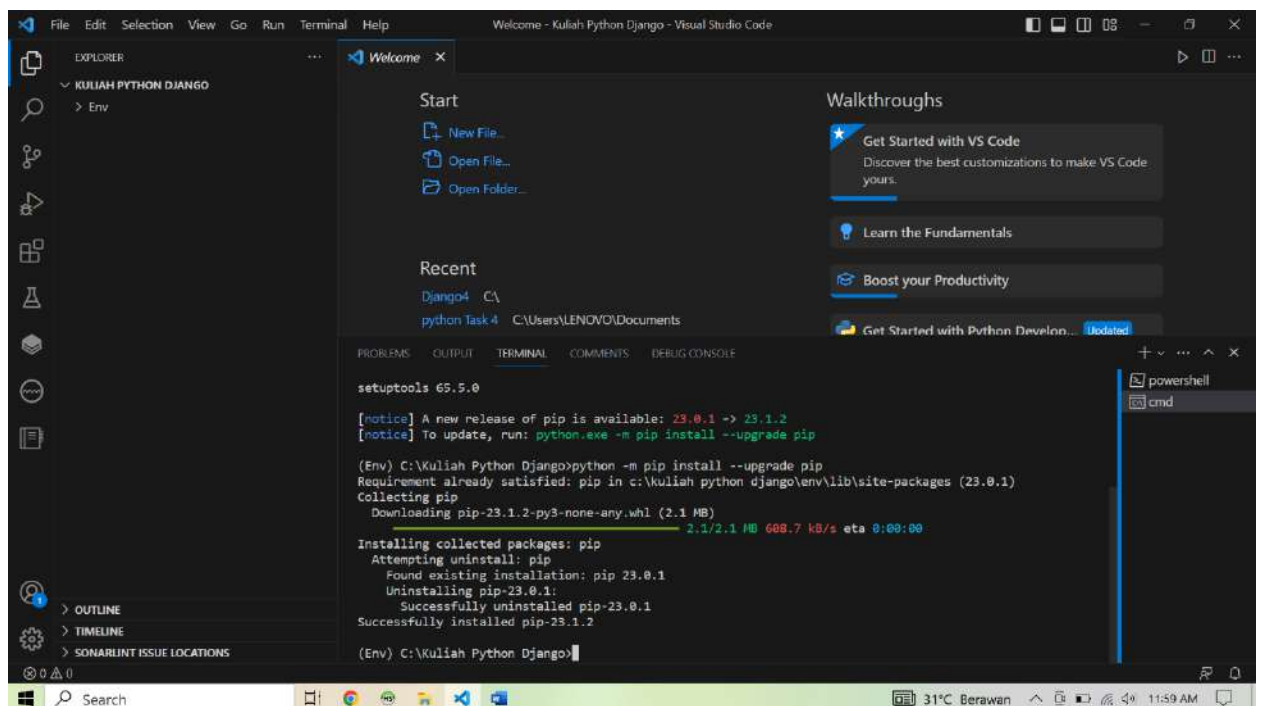
C:\Kuliah Python Django>Env\Scripts\activate.bat

(Env) C:\Kuliah Python Django>pip list
Package      Version
-----
pip          23.0.1
setuptools   65.5.0

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

(Env) C:\Kuliah Python Django>
```

8. Update



The screenshot shows the Visual Studio Code interface with the Explorer panel on the left displaying the project structure: KULIAH PYTHON DJANGO > Env. The main editor area shows the 'Welcome' page with 'Start' and 'Walkthroughs' sections. The TERMINAL panel at the bottom displays the following commands and output:

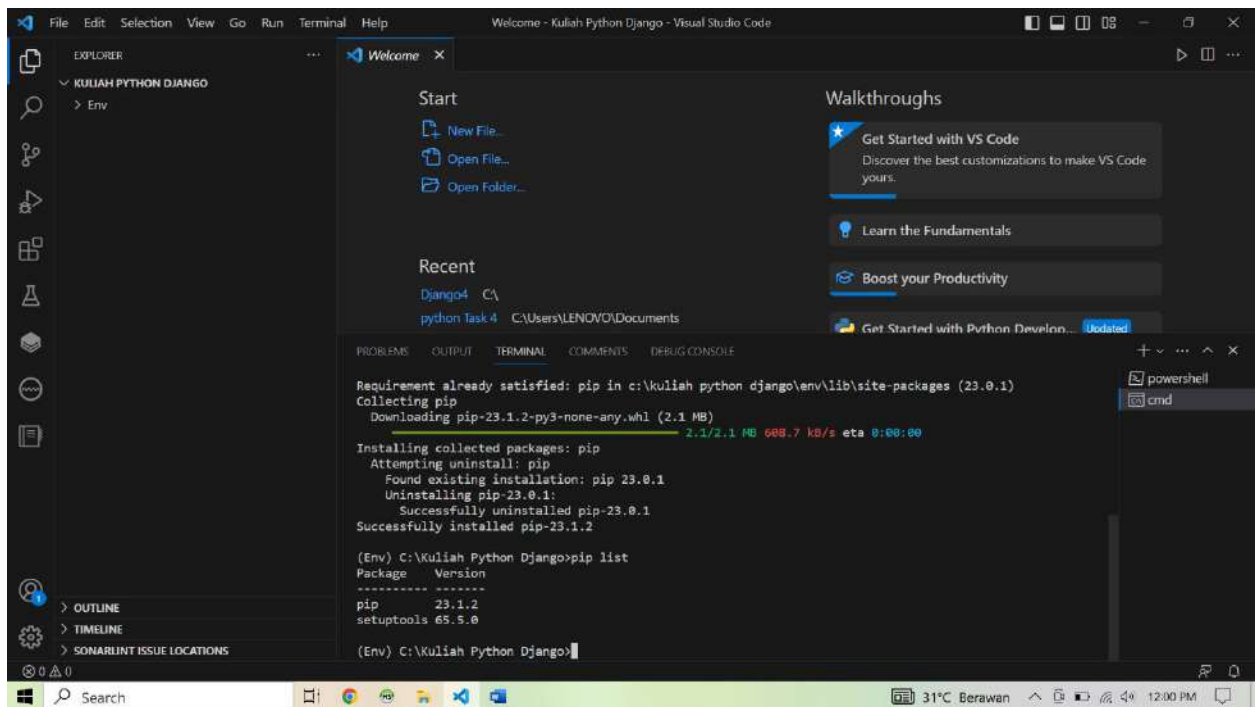
```
setuptools 65.5.0

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

(Env) C:\Kuliah Python Django>python -m pip install --upgrade pip
Requirement already satisfied: pip in c:\kuliah python django\env\lib\site-packages (23.0.1)
Collecting pip
  Downloading pip-23.1.2-py3-none-any.whl (2.1 MB)
    2.1/2.1 MB 688.7 kB/s eta 0:00:00
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

(Env) C:\Kuliah Python Django>
```

9. Cek modul lalu ketik pip list



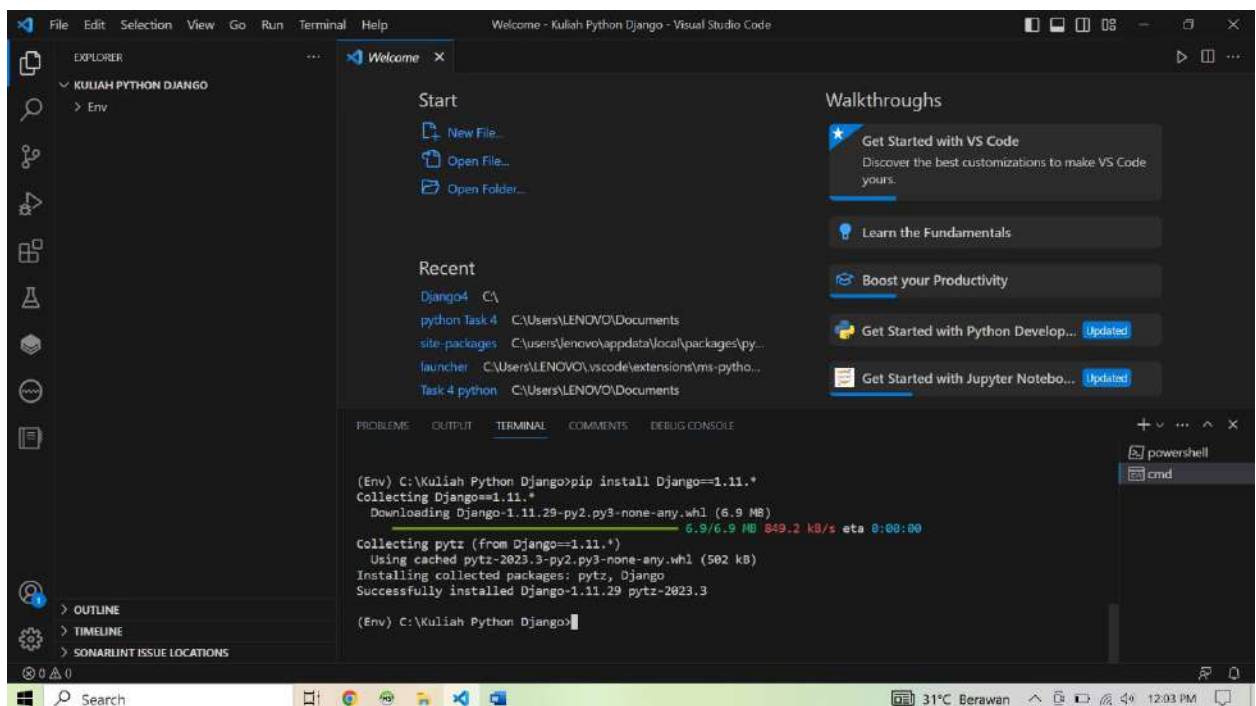
The screenshot shows the Visual Studio Code interface with the terminal open. The terminal output shows the command `pip list` being executed in the environment `(Env) C:\Kuliah Python Django`. The output lists the installed packages: `pip 23.1.2` and `setuptools 65.5.0`.

```
Requirement already satisfied: pip in c:\kuliah python django\env\lib\site-packages (23.0.1)
Collecting pip
  Downloading pip-23.1.2-py3-none-any.whl (2.1 MB)
    2.1/2.1 MB 688.7 kB/s eta 0:00:00
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

(Env) C:\Kuliah Python Django>pip list
Package Version
-----
pip      23.1.2
setuptools 65.5.0

(Env) C:\Kuliah Python Django>
```

10. Install Django dalam virtualenv. Ketik **pip install Django==1.11.***

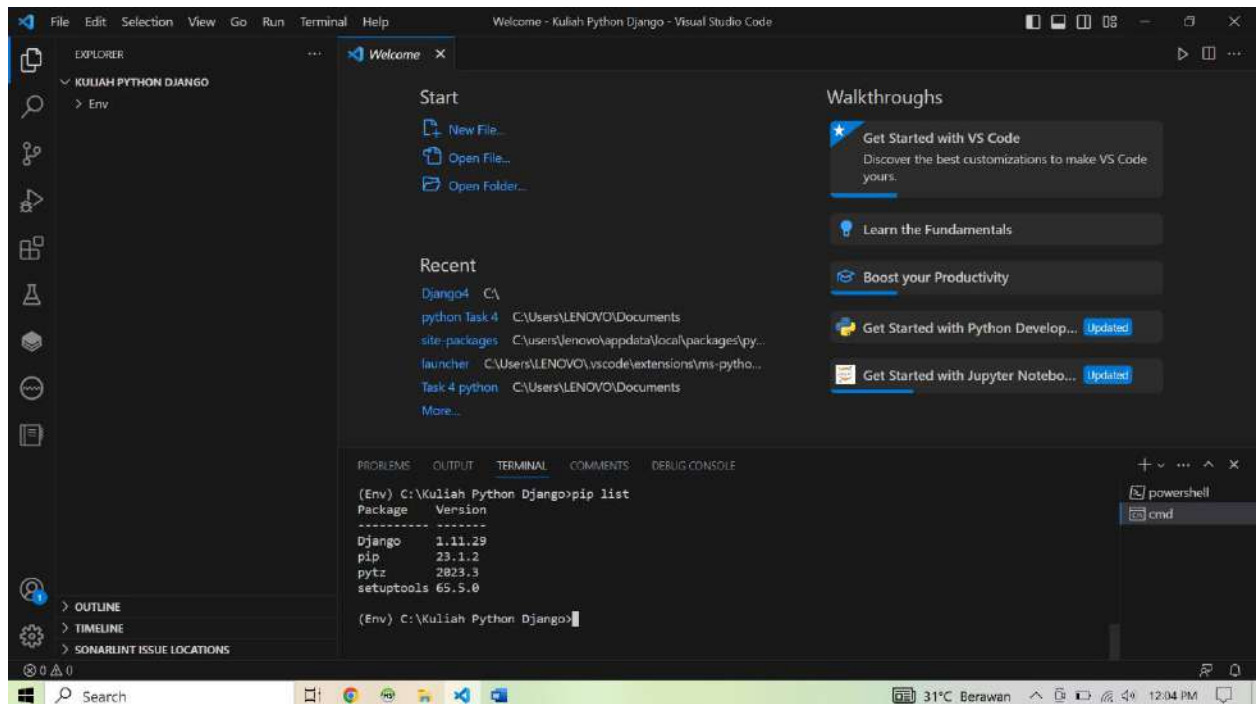


The screenshot shows the Visual Studio Code interface with the terminal open. The terminal output shows the command `pip install Django==1.11.*` being executed in the environment `(Env) C:\Kuliah Python Django`. The output shows the installation of `Django 1.11.29` and `pytz 2023.3`.

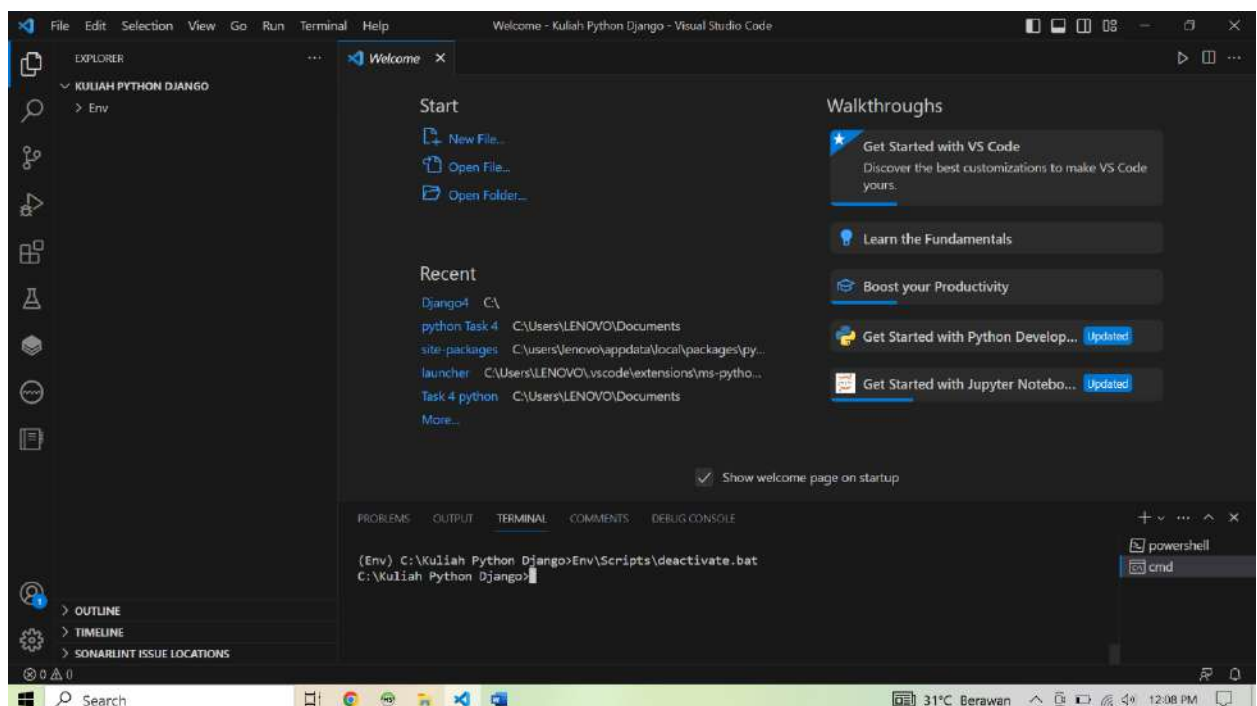
```
(Env) C:\Kuliah Python Django>pip install Django==1.11.*
Collecting Django==1.11.*
  Downloading Django-1.11.29-py2.py3-none-any.whl (6.9 MB)
    6.9/6.9 MB 849.2 kB/s eta 0:00:00
Collecting pytz (from Django==1.11.*)
  Using cached pytz-2023.3-py2.py3-none-any.whl (502 kB)
Installing collected packages: pytz, Django
Successfully installed Django-1.11.29 pytz-2023.3

(Env) C:\Kuliah Python Django>
```

11. Cek modul dengan ketik pip list. Modul Django sudah terinstal di dalam virtualenv



12. Untuk keluar dari Virtualenv, ketik Env\Scripts\deactivate.bat

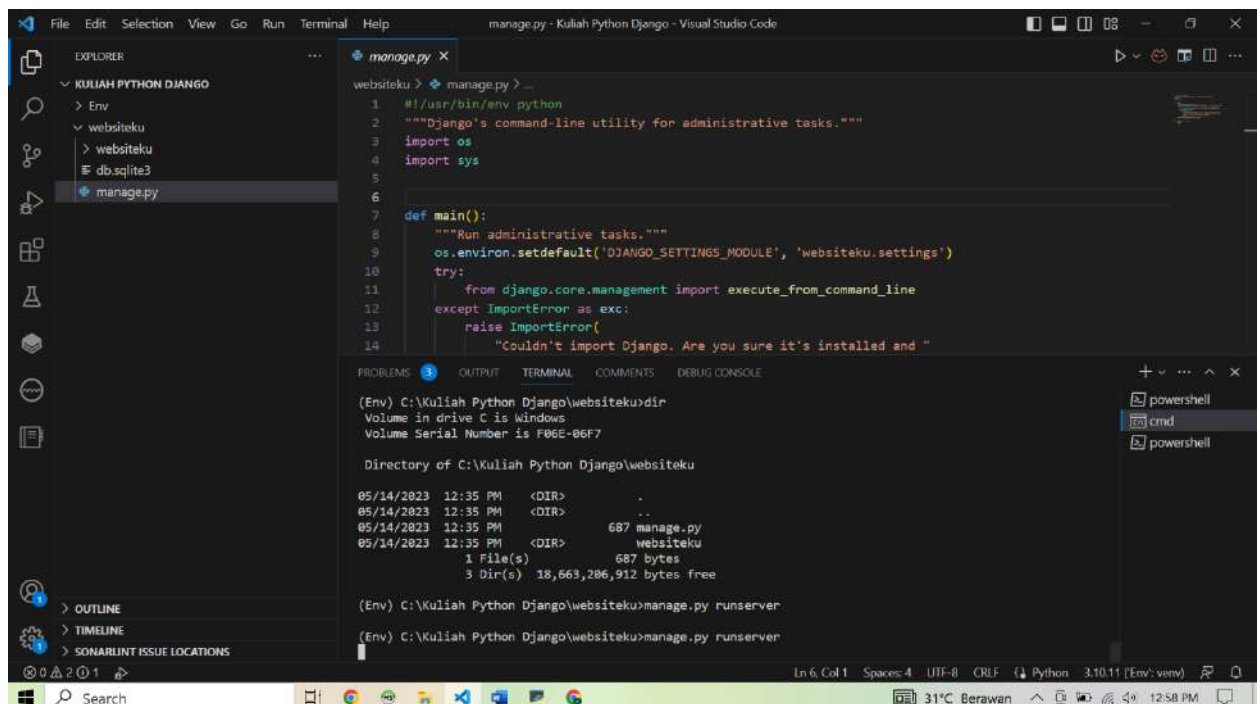
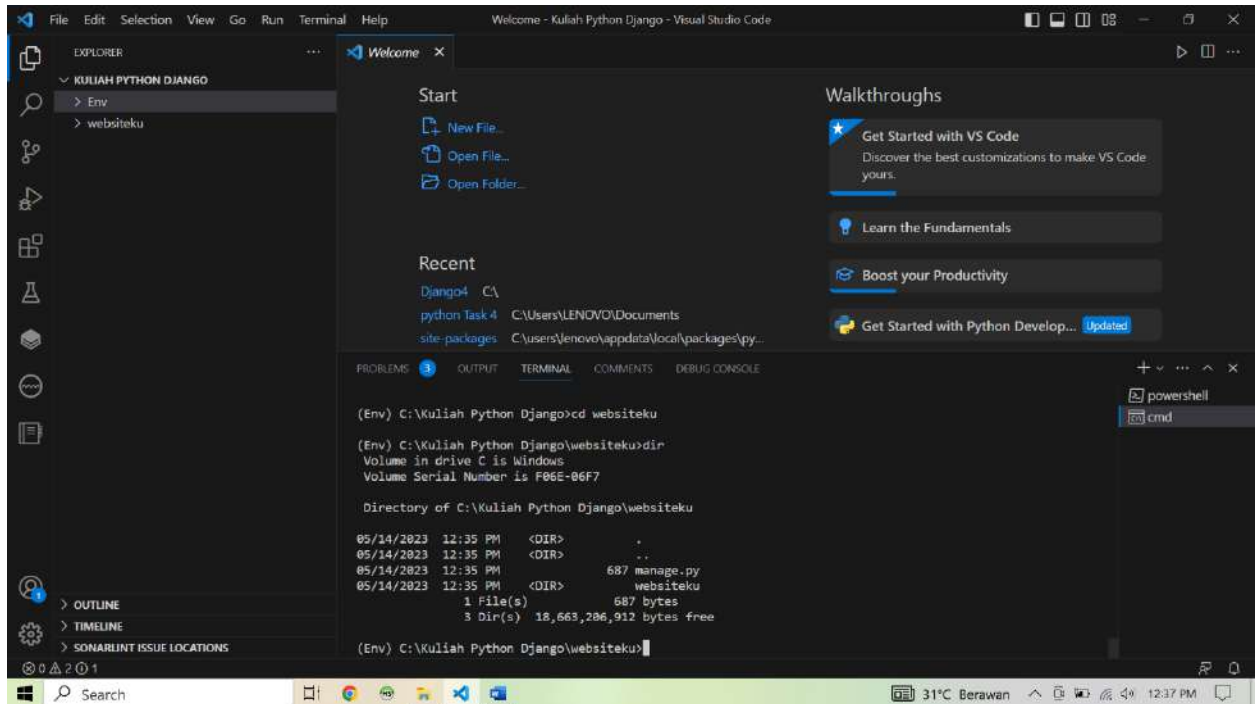


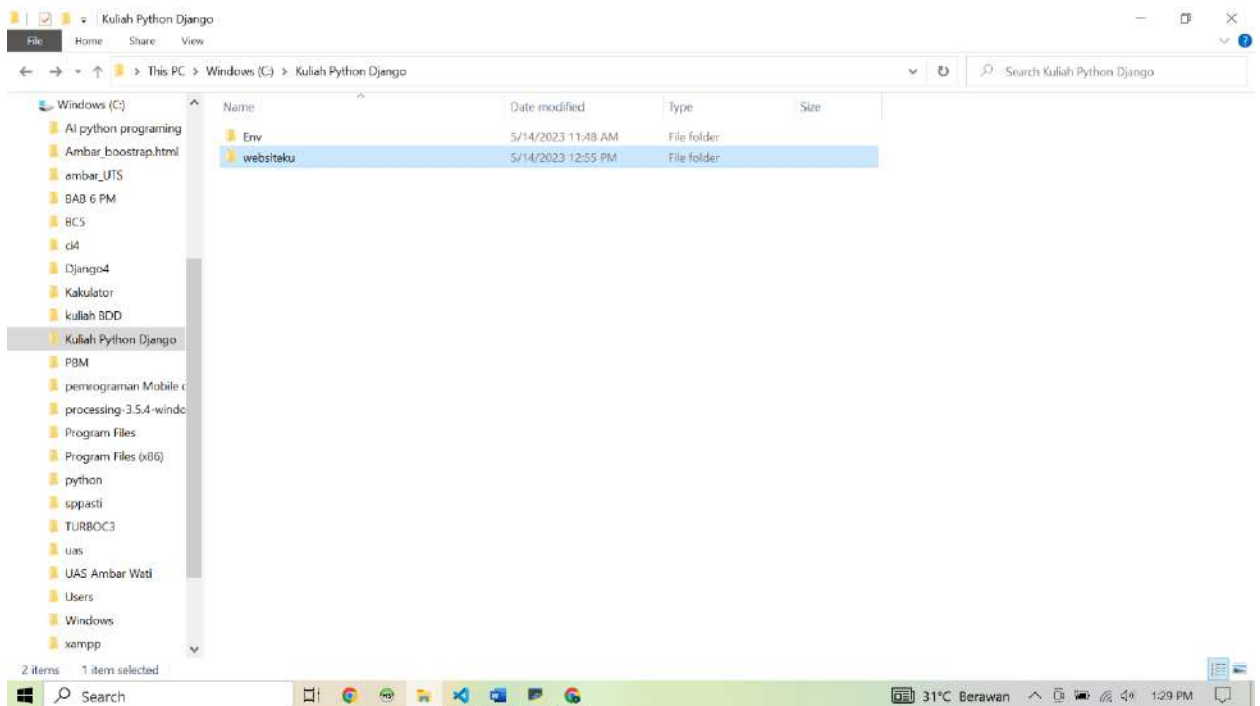
Python Django – Modul 1

Membuat Project

1. Langkah Langkah membuat project Django

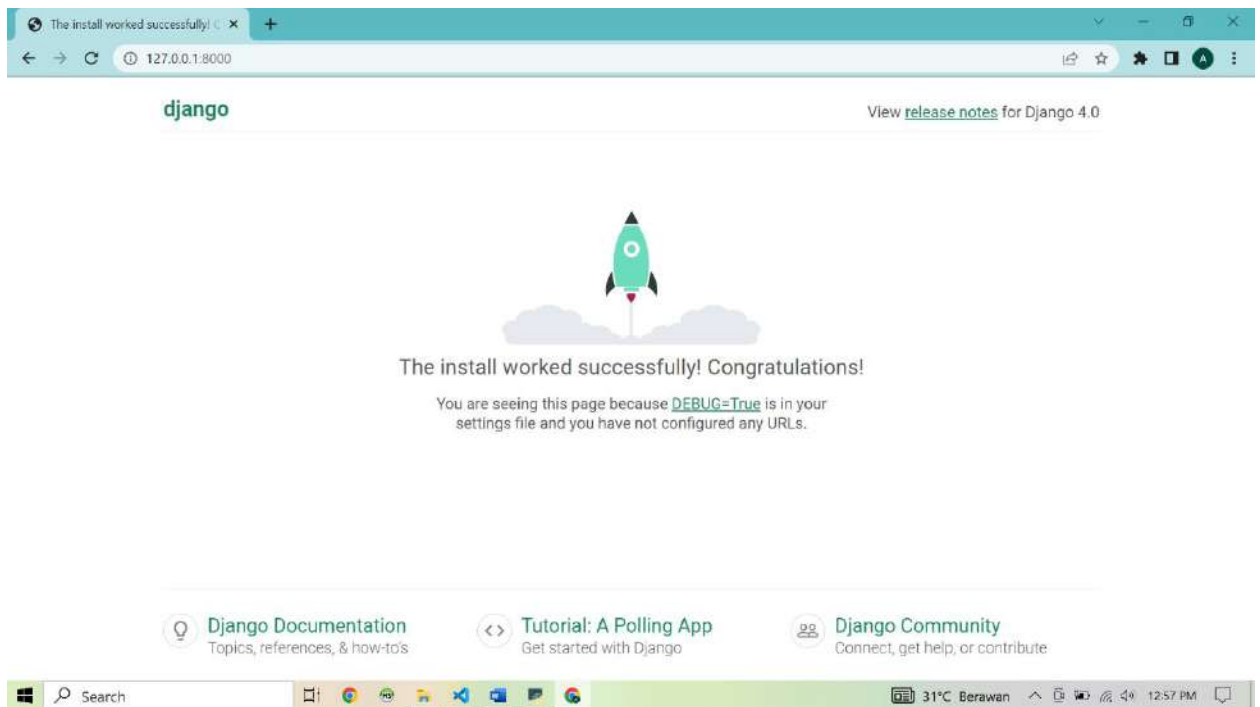
Langkah – Langkah memnbuat project dan menjalankan server websiteku





Lokasi Project yang telah dibuat

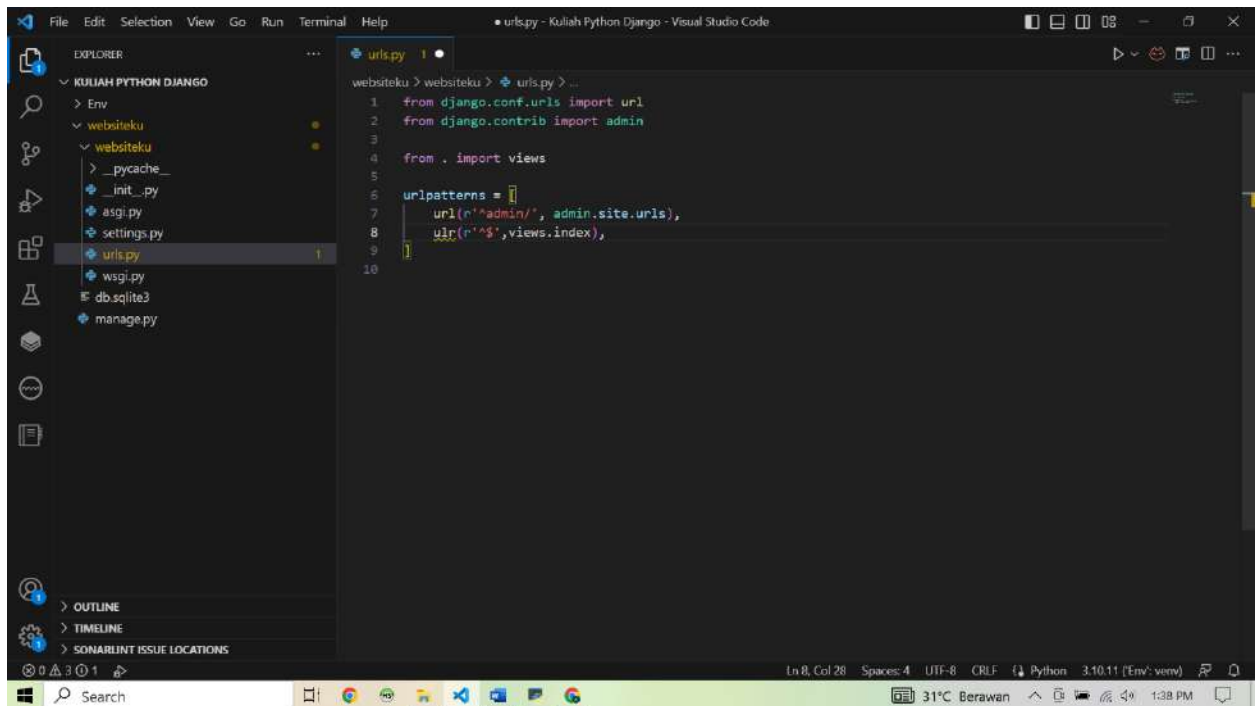
2. Hasil



3. <http://127.0.0.1:8000/>

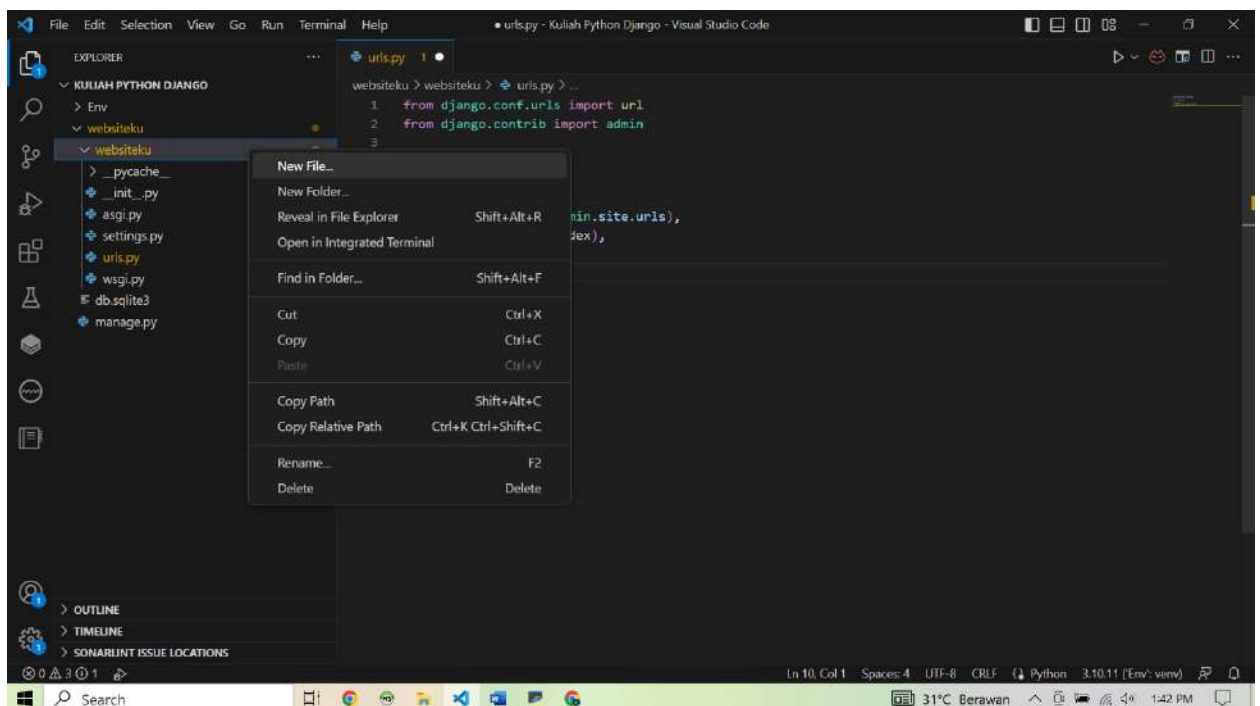
Python Django – Modul 2

1. Pada project (websiteku)



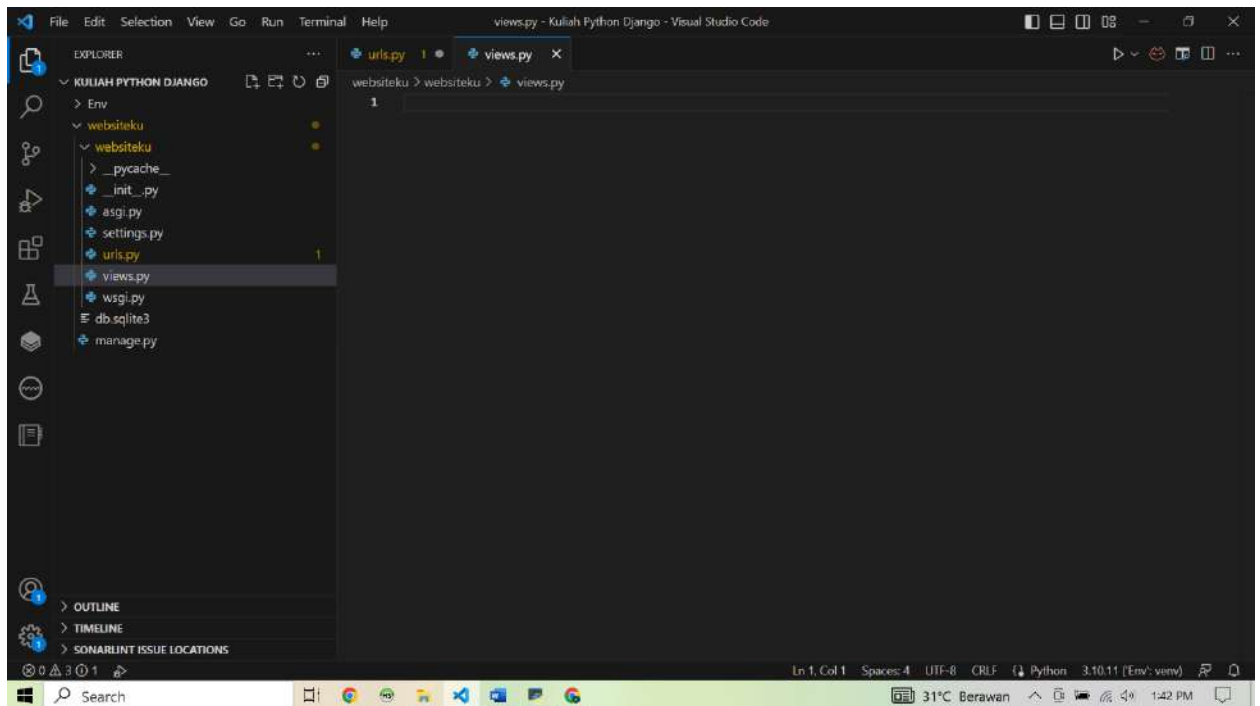
Gambar. File urls Project

2. Klik kanan project directory, klik new file



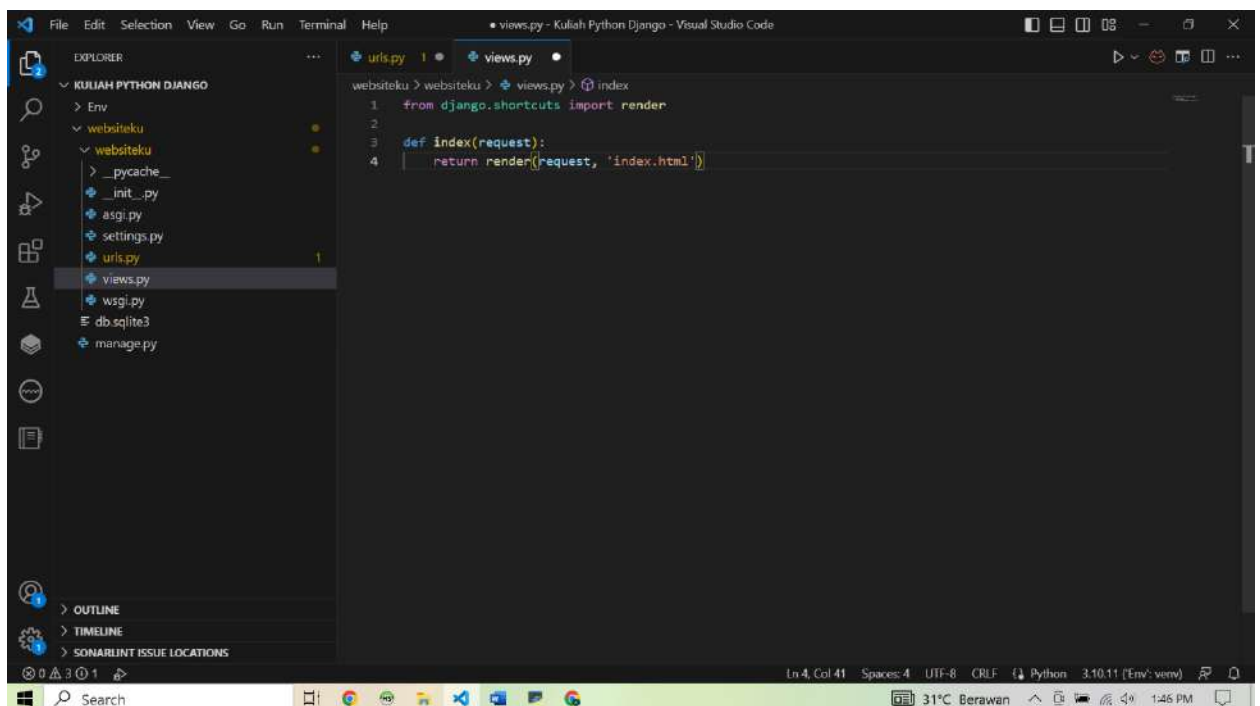
Gambar. New file project

3. Ketik views.py



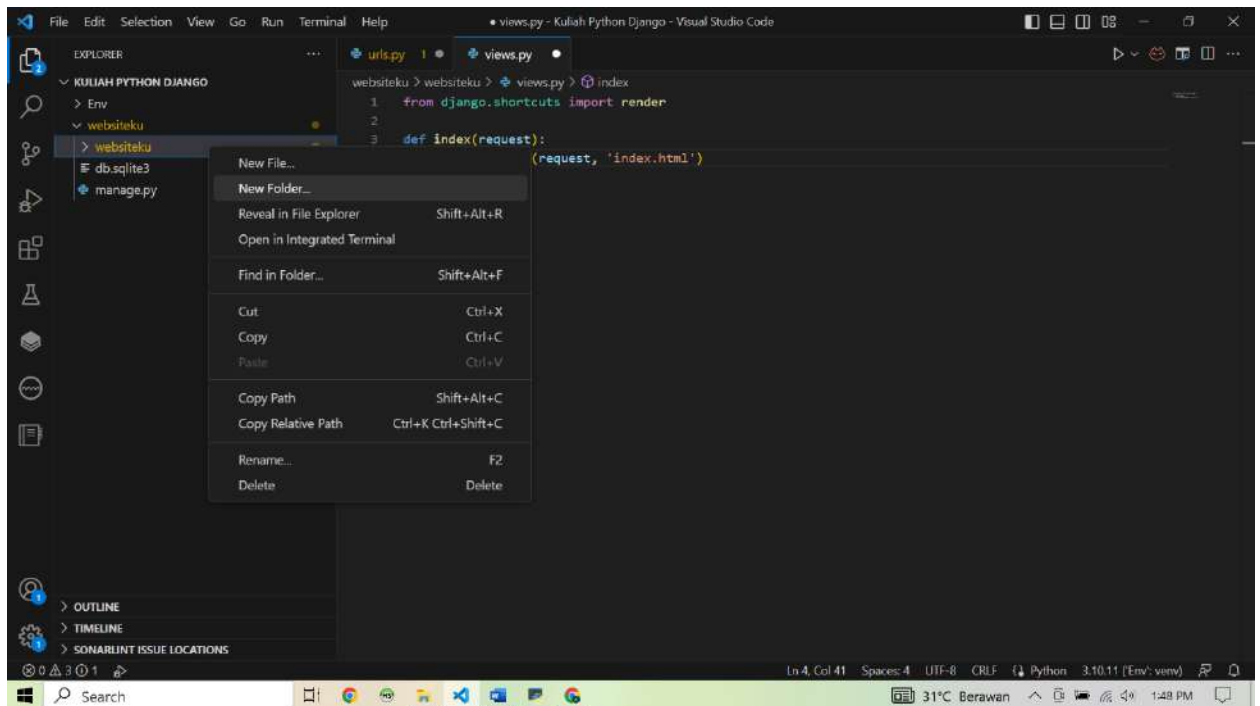
Gambar. New File views.py

4. Ketik kode untuk views.py



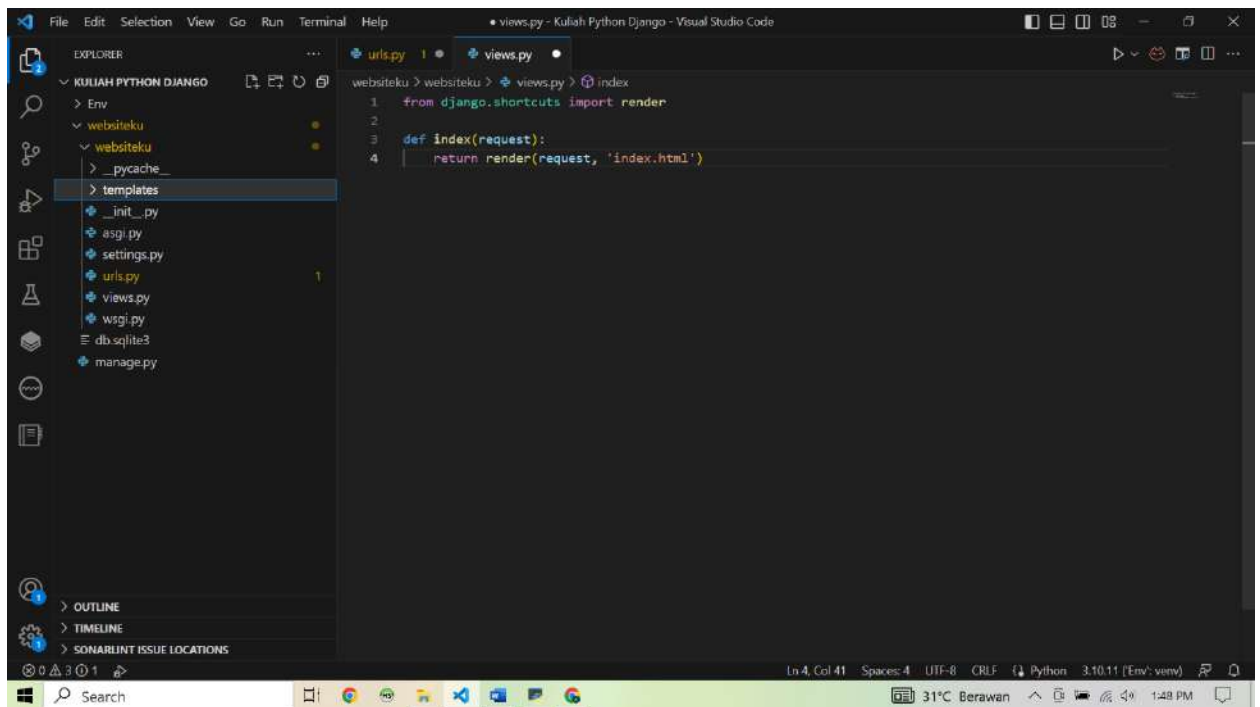
Gambar. Isi Kode Views.py

5. Klik kanan pada Base Directory, kemudian New Folder



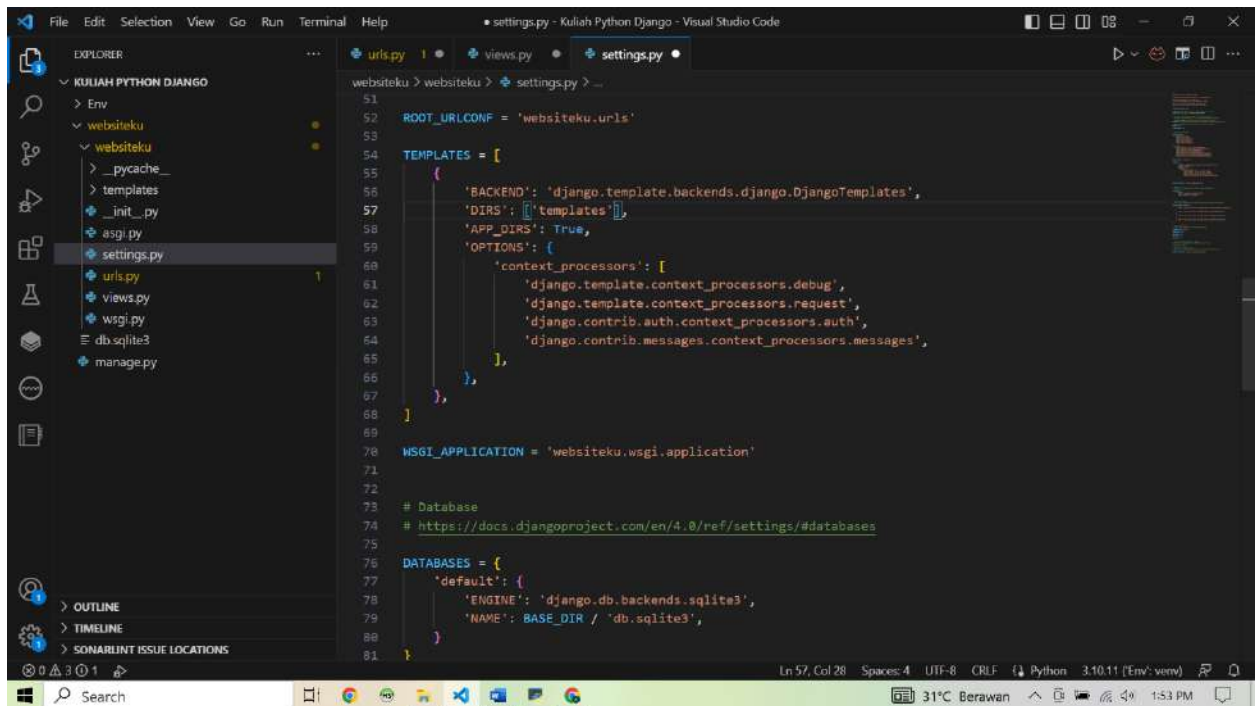
Gambar. New Folder pada base Directory

6. Buat folder baru dengan nama templates



Gambar. Folder templates

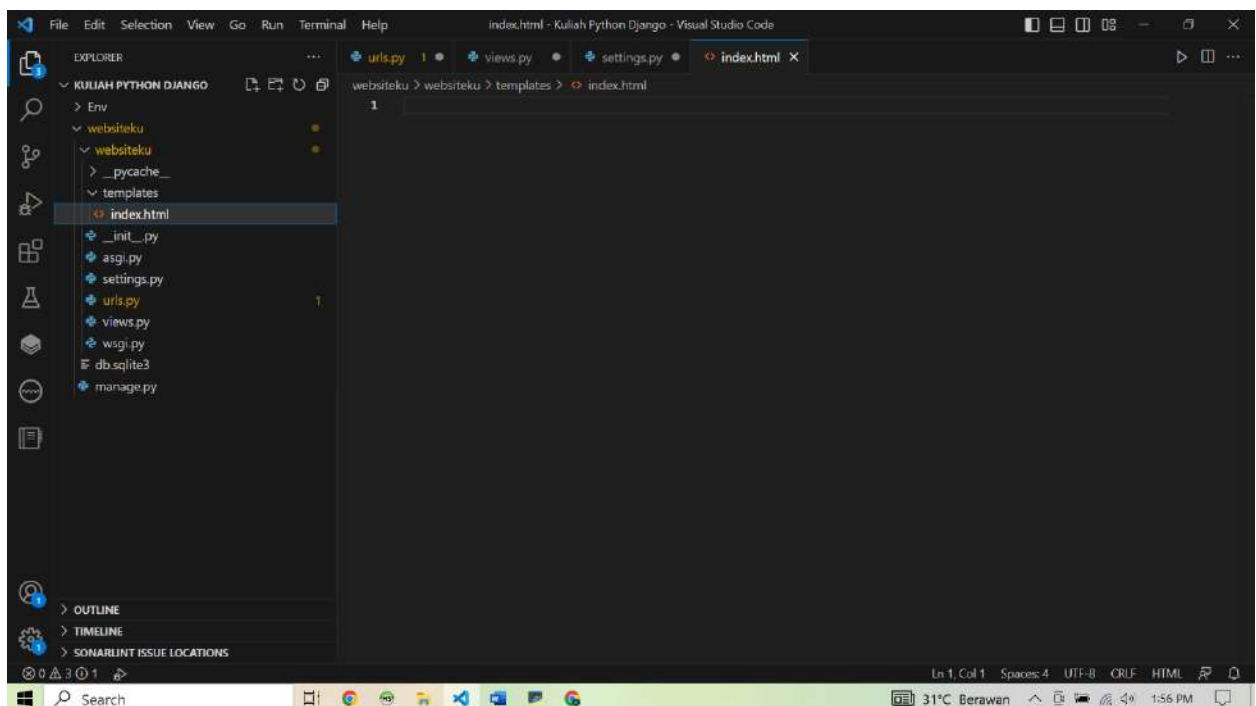
7. Klik file setting.py pada project, dan ketik kode seperti di bawah



```
51
52 ROOT_URLCONF = 'websiteku.urls'
53
54 TEMPLATES = [
55     {
56         'BACKEND': 'django.template.backends.django.DjangoTemplates',
57         'DIRS': ['templates'],
58         'APP_DIRS': True,
59         'OPTIONS': {
60             'context_processors': [
61                 'django.template.context_processors.debug',
62                 'django.template.context_processors.request',
63                 'django.contrib.auth.context_processors.auth',
64                 'django.contrib.messages.context_processors.messages',
65             ],
66         },
67     ],
68 ]
69
70 WSGI_APPLICATION = 'websiteku.wsgi.application'
71
72 # Database
73 # https://docs.djangoproject.com/en/4.0/ref/settings/#databases
74
75 DATABASES = {
76     'default': {
77         'ENGINE': 'django.db.backends.sqlite3',
78         'NAME': BASE_DIR / 'db.sqlite3',
79     },
80 }
81
```

Gambar. Settings.py

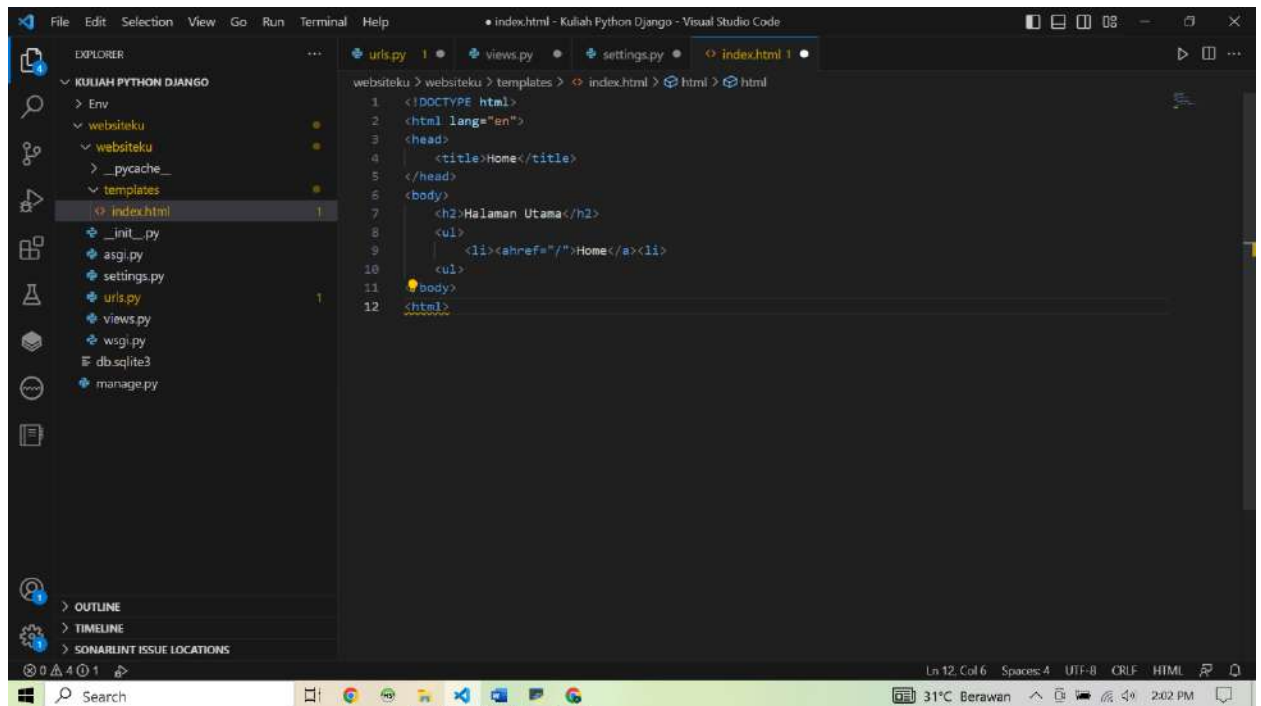
8. Buat file baru dengan nama index.html di dalam folder templates project.



```
1 <h1>KULIAH PYTHON DJANGO</h1>
```

Gambar. Buat file index.html

9. Ketik kode index.html seperti gambar dibawah ini



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <title>Home</title>
5 </head>
6 <body>
7   <h2>Halaman Utama</h2>
8   <ul>
9     <li><a href="/">Home</a></li>
10  </ul>
11 </body>
12 </html>
```

Gambar. Isi kode index.html