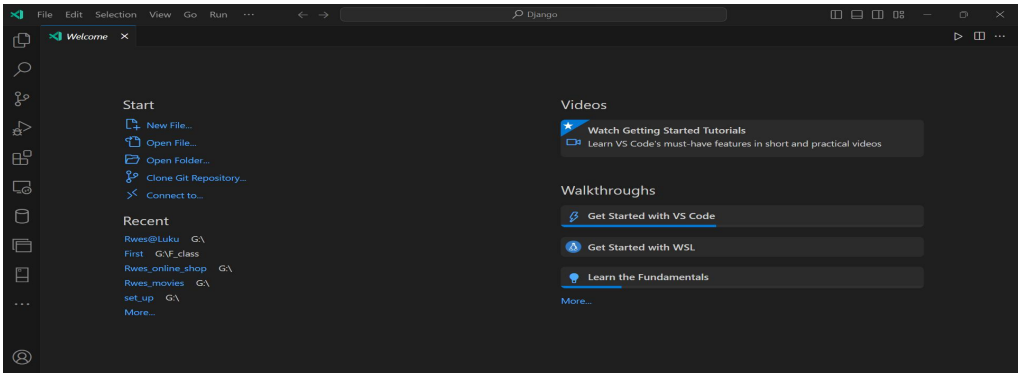
Development Environment Setup:

Part one:

➢ Step one:-

a. Install a Text Editor or Integrated Development Environment (IDE)

- Visit Visual Studio Code Download.
- Download and Install Visual Studio Code.
- Run the installer and follow the setup instructions.



b. **Set up Version Control System**

i. Visit Git Download.

- Install Git and configure it on your local machine.
- Run the installer and follow the setup instructions.

ii. Visit GitHub and sign up.

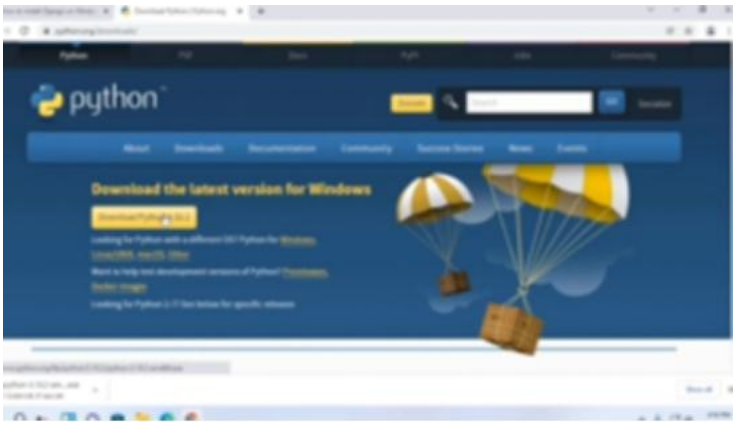
- Create a GitHub account for hosting your repositories

➢ Step two:-

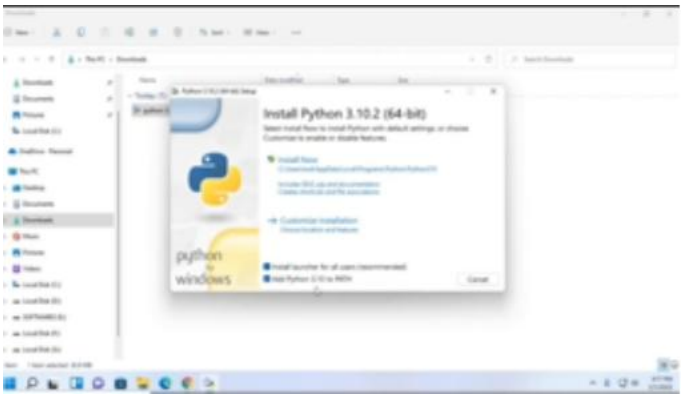
a. Install Necessary Programming Languages and Runtimes

i. Install Python required for your project.

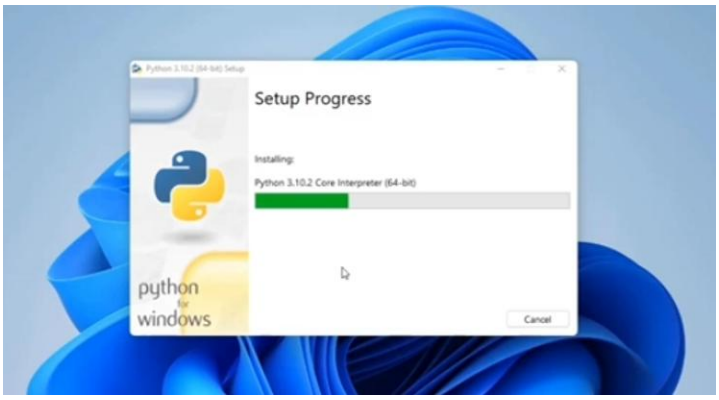
- Visit Python Download.



ii. Download and run the installer. Ensure you check the box to add Python to your PATH.

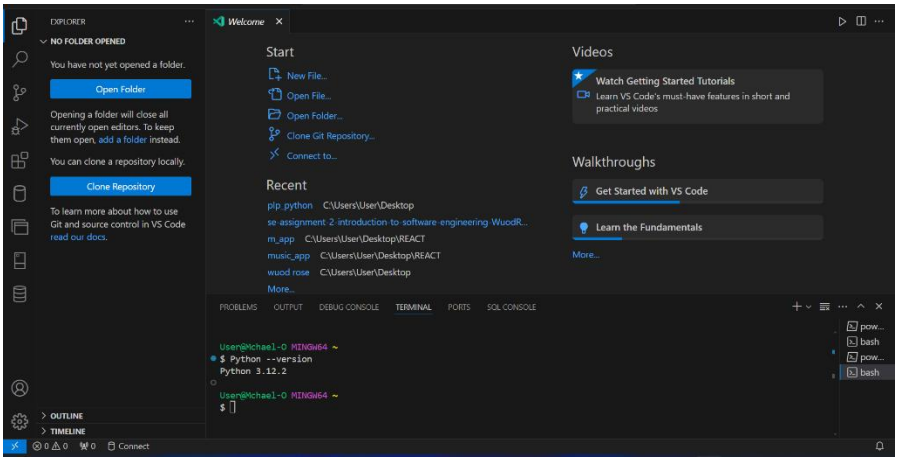


iii. Install



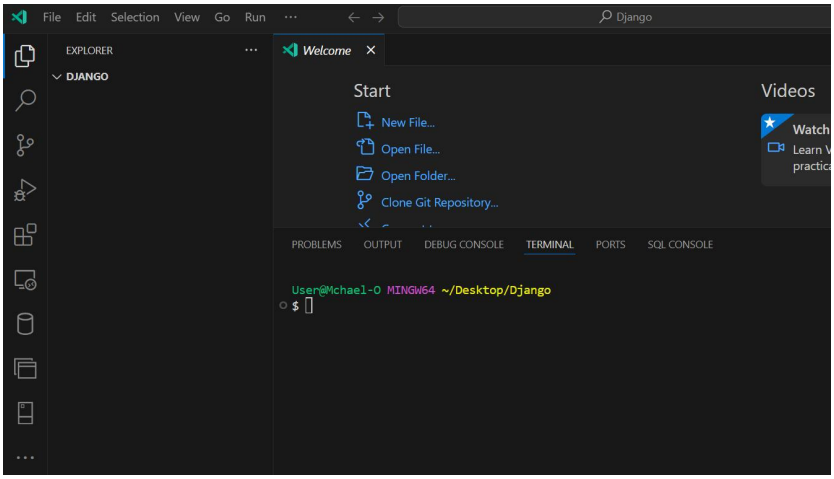
iv. Verify the installation by running:

- Run the following commands:
  - Git bash
  - Python –version



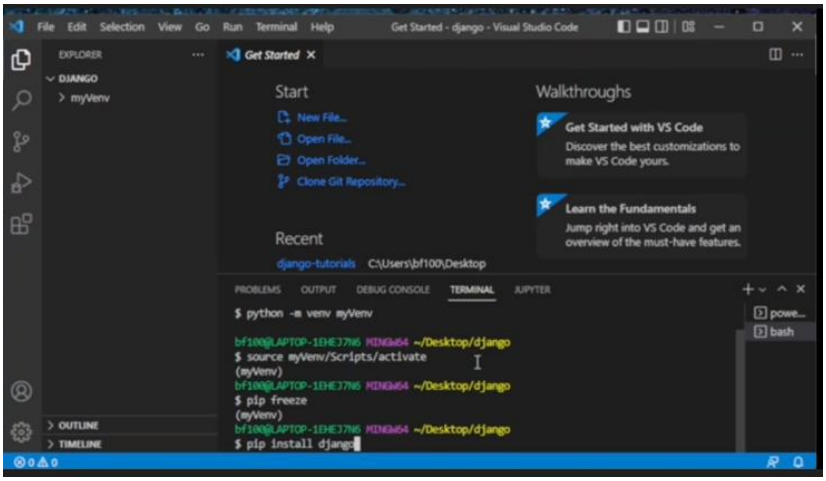
➢ Step three:-

- Create a folder on your local machine
- Open it on vs code
- Open the terminal and choose Git Bash



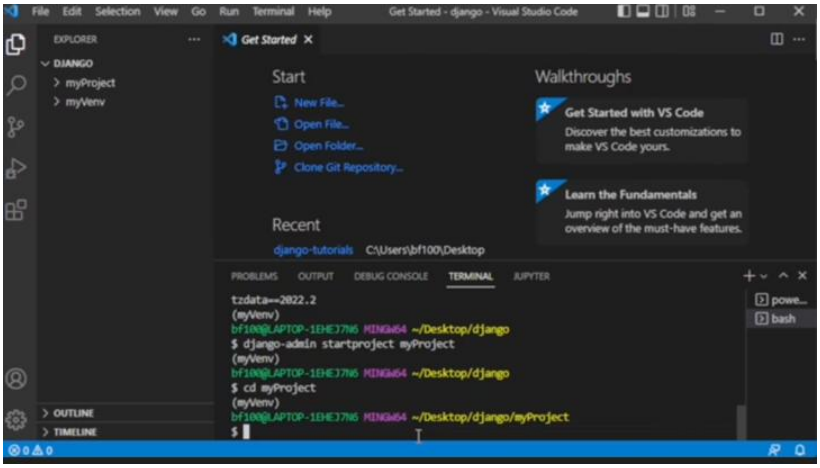
➢ Step four:-

- Create a virtual environment for your project
  Command: **python –m virtualenv Myenv** (you can set a name of your choice)
- Activate the virtual environment
  Command: **source Myenv/Scripts/activate**
- Pip freeze –
  Command**: pip freeze**
- Install Django
  Command: **python –m install pip Django**



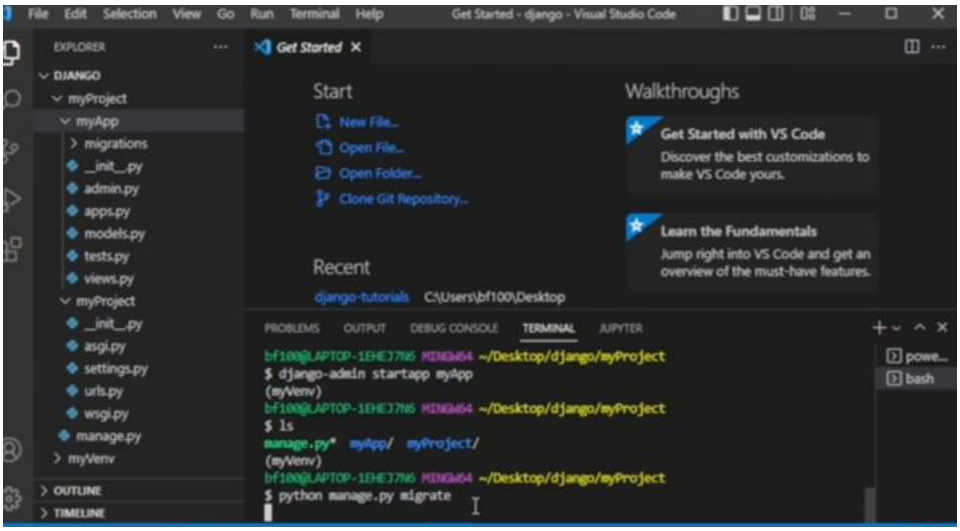
➢ Step five:-

- Starting Django project (set a name of your choice)
  Command: **Django-admin startproject Myproject**
- Moving inside the project
  Command: **cd Myproject**



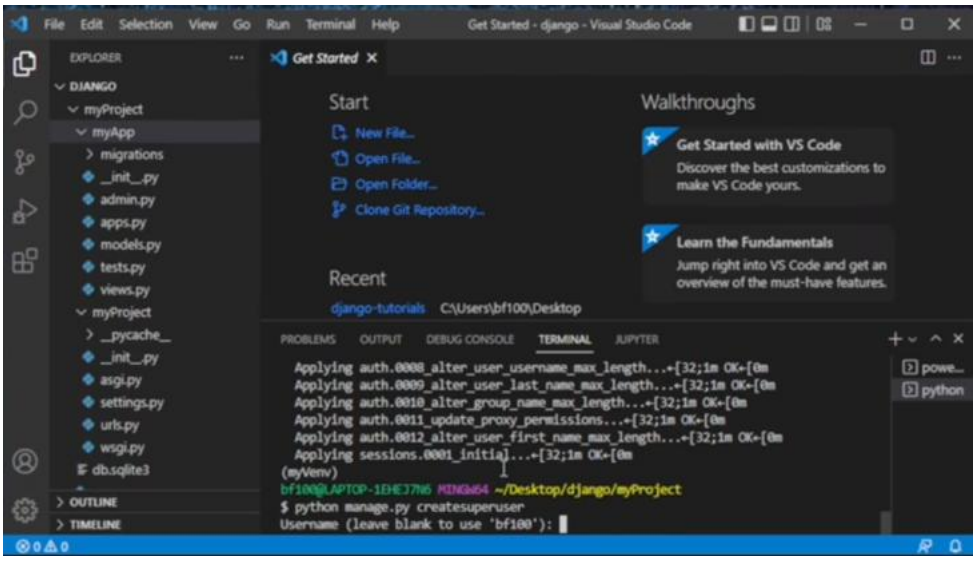
➢ Step six:-

- Start my project app
  Command: **Django-admin startapp Myapp**
- Check the list
  Command: **ls**
- Create database for your project
  Command: **python manage.py migrate**



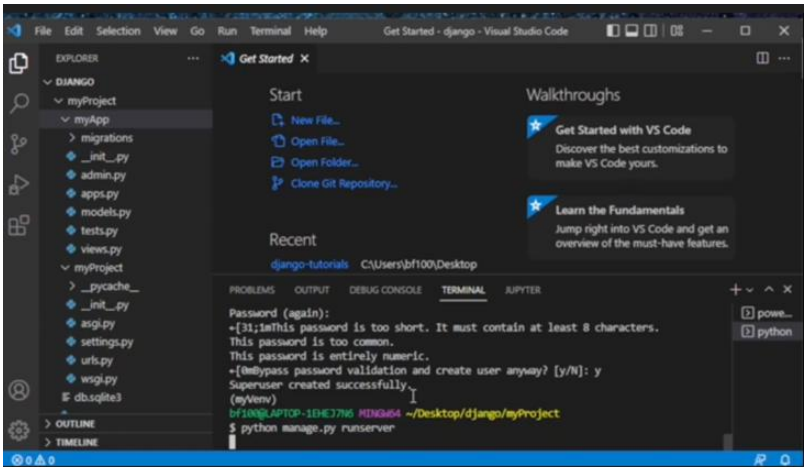
➢ Step seven:-

- Create a super user account
  Command: **python manage.py createsuperuser**

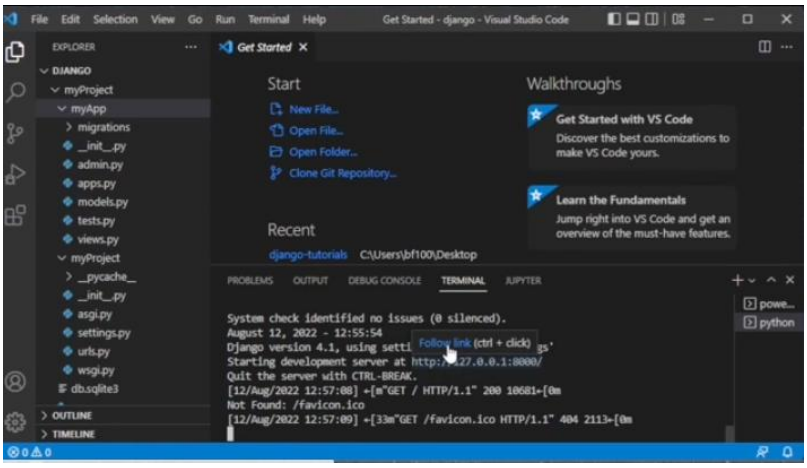


➢ Step eight:-

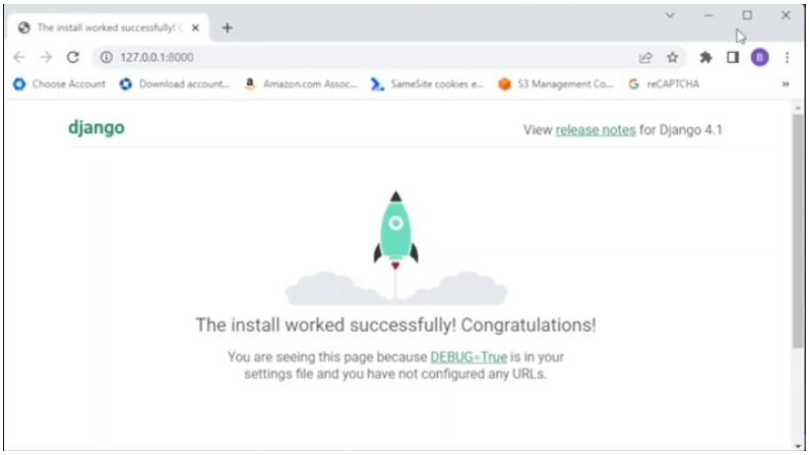
- To run the app
  Command: python manage.py runserver



- Open the git bash on the terminal the ru the myapp by {python manage.py runserver}

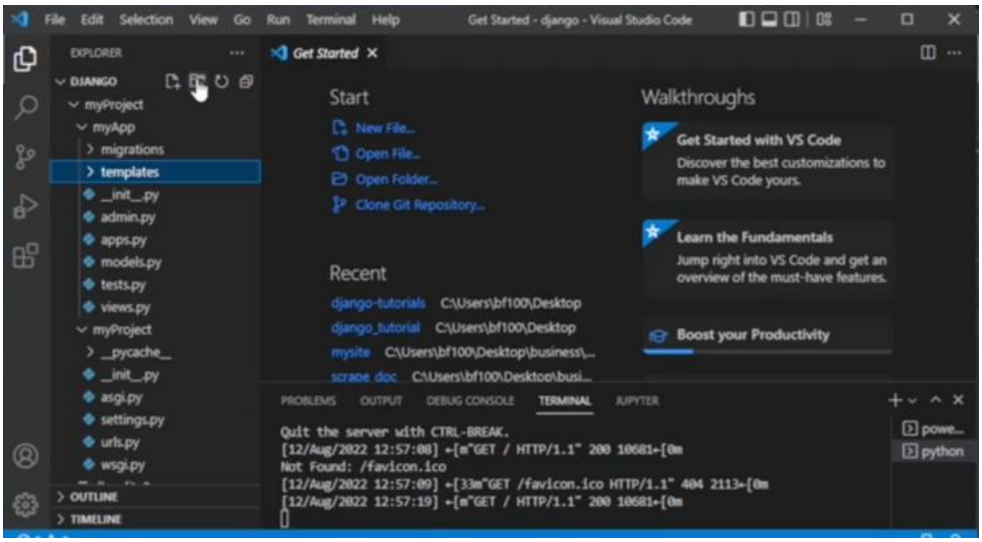


- Successful installation of Django

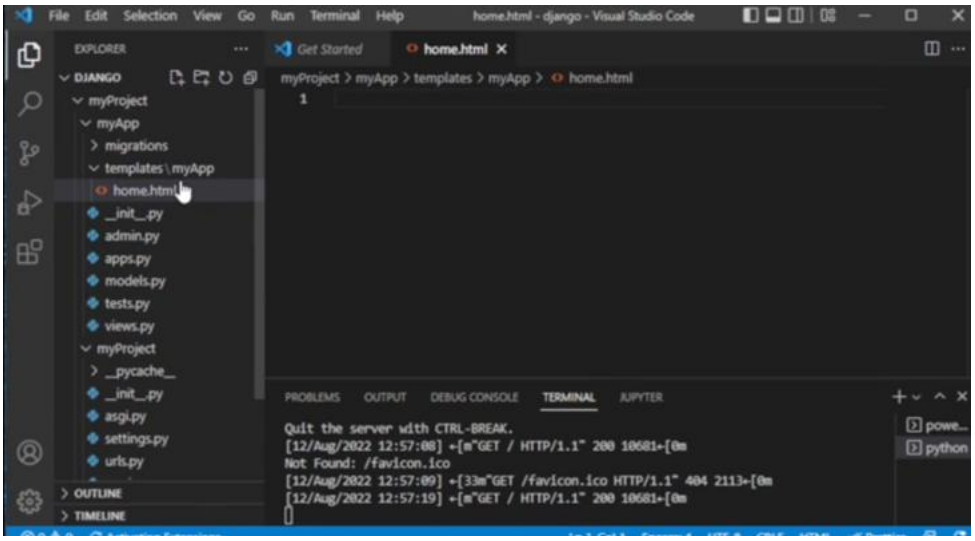


PART TWO

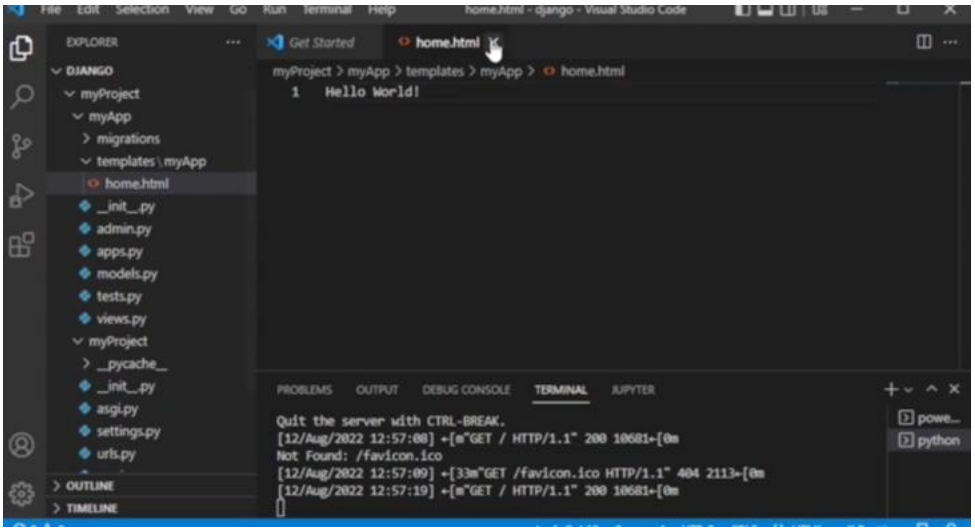
- Create a new folder and name it **template**



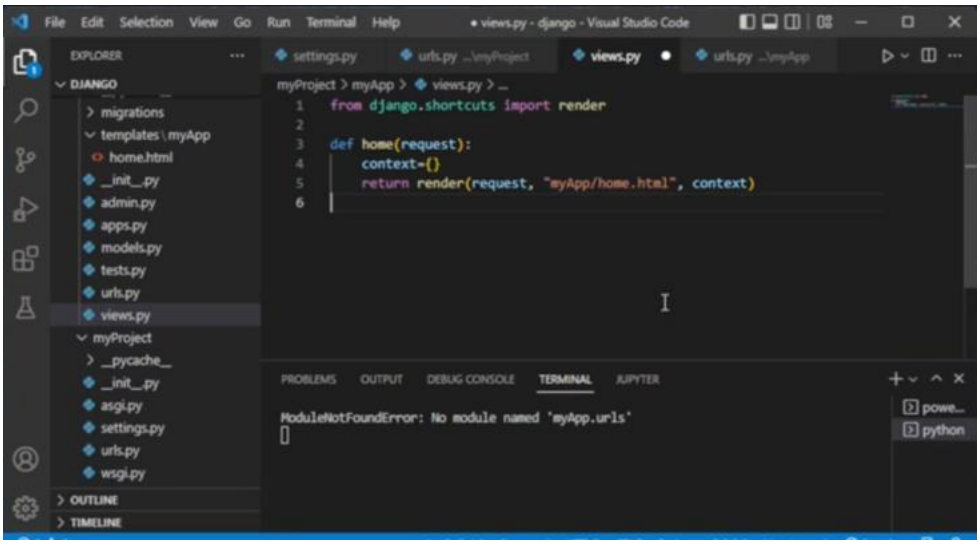
- Highlight the folder template and add new folder {give it the same name as your app} Myapp
- Highlight the folder {template\Myapp} and add new file name it {product_list.html}



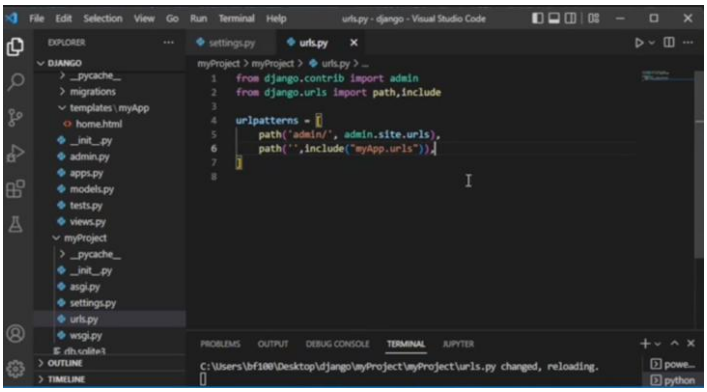
- Open the html file {then write your code }



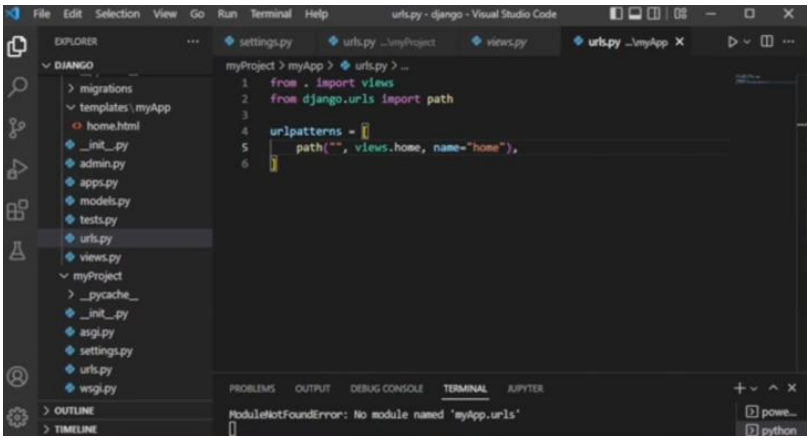
- Open view.py file and edit it to look like this



- Open urls.py {myproject} file and edit to look like this



- Create a urls.py file on {myapp}



- Go back to Git Bash terminal { python manage.py runserver }
- To run the app
- Open it to the brewers