Django Installation , Url routing and Django app

1. You need to have python installed on your computer.
2. For particular project we can have different Django packages.
3. We need to have virtual environment on our computer.
4. Cmd-
   1. Pip install Django
   2. Pip install virtualenvwrapper-win

This will install it on our computer.

* 1. To make virtual environment-
     1. mkvirtualenv project name

this has created a virtual environment & has activated it.

1. Now install Django in the environment.
2. Next step is to create a Django project
   1. Cmd -- django-admin startproject my project
   2. cd myproject-dir

this will give all the information.

1. To bring this project into vs code
   1. Open the folder created in vs code (my project) (open folder command)
   2. asgi.py and settings.py are important files.
   3. we specify all the urls in our project in urls.py
   4. to deactivate the virtual environment use deactivate in cmd
   5. to access the virtual environment in vscode open terminal and use command

workon myapp (this can be done in cmd as well)

* URL routing and django app

1. There is a difference between your django project and app
2. Django apps are subsets or main project

Python manage.py startapp myapp

(myapp gets created in vs code with this command)

1. Django—downlaod link

We have to configure all of this into our code which is known as URL routing.

* + 1. Create urls.py in myapp in vscode
    2. Create views
    3. Use it in the urls.py
    4. Run project in cmd—python manage.py runserver

Which will give us first template of django project

But we couldn’t see ‘hey, welcome!’ which was written in views.py

As we know myapp is a subset of our project.

1. Hence we need to tell the main project to look for home url.

myproject – urls.py—

from django.urls import path.include

this will help us in importing similar url from an app.

path(“ “, include(‘myapp.urls’)) (including myapp.urls)

so whatever is done in myapp.urls that is going to be rendered.



