1. download the python

2. open vscode for a folder

3. create a virtual environment: **python -m venv env\_name**

4. activate virtual env: **./djangoenv1/Scripts/activate**

to deactivate: deactivate

5. install Django: **python -m pip install Django**

6. get requirements: **pip freeze > requirements.txt**

7. create project: **django-admin startproject project\_name**

8. goto the project folder and update database if needed

9. now save the database changes: **python manage.py makemigrations**

10. initialize the database: **python manage.py migrate**

11. run the project: **python manage.py runserver**

12. to create an admin user: **python manage.py createsuperuser**

13. again run the project and goto the link and write admin at the end "/admin"

# django-admin startproject project1 . : this is used to create project

on the same directory and reduce redundency

# Create app - **python manage.py startapp app\_name**

# Inside the app folder:

1. migartions folder: generating database tables

2. admin.py: how the admin interface is gonna look like

3. apps.py: configure the application

4. model.py: It is used to Plug to the database and present to the user

5. tests.py: Write the tests

6. views.py: It is a request handler. Not a Template or HTML. We know HTTP is

a request response protocol. This is where we use views.

# also dont forget to download Django debug toolbar:

1. python -m pip install django-debug-toolbar ()inside virtual environment

2. put debug\_toolbar in the INSTALLED\_APPS in settings.py

3. put this in the project urls.py: path("\_\_debug\_\_/", include("debug\_toolbar.urls")), also import debug toolbar

4. in the settings.py middleware section, put this: "debug\_toolbar.middleware.DebugToolbarMiddleware",

5. now put this whole thing inside settings.py:

INTERNAL\_IPS = [

# ...

"127.0.0.1",

# ...

]