Installation of Django:

Pip3 install virtualenv

Virtualenv venv

venv\Scripts\activate.bat

venv startproject projectname

cd projectname

manage.py runserver

navigate to localhost server i.e. 127.0.0.1:8000

* pathlib of python
* wsgi server
* how to run and carry out development on pycharm
* try use of database navigator in pycharm
* migrations in Django
* manage.py startapp appname
* check secret key use with .env.environment and .env
* \_\_str\_\_ and self-difference
* Repr ??
* Class meta
* Create superadmin
* Create custom urls in project
* Map cutom urls from admin urls
* Map custom urls to views.py

1. Create Project Folder
2. Create Virtual environment:
   1. virtualenv *venv*
   2. /venv/Scripts/activate.bat
3. Install Django:
   1. pip3 install django
   2. pip3 uninstall django
   3. pip3 install django==3.1
   4. django-admin
4. Creating project:
   1. django-admin startproject *projectname*
   2. cd *projectname*
   3. manage.py runserver
   4. localhost://port
   5. manage.py runserver *port*
5. Migration:
   1. Manage.py migrate
6. Creating app:
   1. Python manage.py startapp *appname*
7. Add Models:
   1. Add codes
8. Migration in apps:
   1. manage.py makemigrations
9. Change in code
   1. Change in settings.py
   2. Adding blog app as *blog.apps.BlogConfig*
   3. USER\_DEFINED\_APPS, BUILT\_IN\_APPS, THIRD\_PARTY\_APPS
10. Create Files in Root Directory of your Project Folder:
    1. .env.environment
    2. .env
    3. Paste secret key to .env.envitonment
    4. Write your secret key here in .env
11. Import Decouple Package and add it on *settings.py*
12. Creating Super Admin:
    1. python manage.py createsuperuser

username, email, password

* 1. Create Group and Users

1. Register models in admin.py