**Creating a Virtual Environment**

1-) directory Name$ python3 -m venv ll\_env

**Activating the Virtual Environment**

1-) source ll\_env/bin/activate

**Stop using the Virtual Environment**

1-) deactivate

2-) close the terminal

**Stop using the Virtual Environment**

1-) deactivate

**Installing Django in the Virtual Environment**

1-) pip install Django

**Creating a Project in Django Virtual Environment**

1-) django-admin startproject learning\_\_log . (Don’t forget the dot)

2-) **ls** [learning\_log, ll\_env, manage.py]

3-) **ls learning\_log** [\_\_init\_\_.py, settings.py, urls.py, wsgi.py]

**Creating the Database**

1-) python/python3 manage.py migrate

**Verifying the Project has been setup properly**

1-) python/python3 manage.py runserver (8000, 8001)

2-) control-C (to stop the server)

**Continues …**

**Starting and App**

1-) python/python3 manage.py startapp learning\_logs

**Defining Models (Classes in Django)**

1-) That is done in the models.py file of the app directory just created.

**Activating Models**

1-) That is done in the settings.py file of main project directory.

**Adding our App to the Database**

1-) python/python3 manage.py makemigrations learning\_logs

**Applying our Topic to the Database**

1-) python/python3 manage.py migrate

**Whenever we want to modify the Database**

1-) Defining Models

2-) Adding our App to the Database

3-) Applying our Topic/Change to the Database

**Setting Up a Superuser**

1-) python/python3 manage.py createsuperuser

**Registering a Model with the Admin Site**

1-) That is done in the admin.py file of app project main directory.