

# Django Learning Resource

## Django Setup

### 1. Steps to install and create a new project in Django VS code Editor.

- 1) Create a folder and name it with your project name. Ex:-  
Django\_Project\_1
- 2) Open VS Code Editor and open the Django\_Project\_1 folder.
- 3) Open a new terminal in the VS Code Editor.
- 4) Then run the following commands in the terminal, one by one.
  - a) `python3 -m venv myvenv` - - - - Create a virtual environment.
  - b) `source myvenv/bin/activate` - - - - Activating a Virtual environment.
  - c) `pip install django` - - - - Installing Django in a virtual environment.
  - d) `python3 -m pip install --upgrade pip` - - - - Upgrading Python3
  - e) `django-admin startproject django_project_one` - - - - Starting and naming the project “*django\_project\_one*”.
  - f) `cd django_project_one` - - - - Changing the directory from the “Django\_Project\_1” folder to the “django\_project\_one” project.
  - g) `python3 manage.py runserver` - - To run the server or check the output.
  - h) To quit the server, press Control + C.
  - i) `python3 manage.py startapp app_one` - - - To start a new app within the “django\_project\_one” project.

## Different Files and Their Purpose.

### 1) Views.py

Creating Python classes or functions.

2) urls.py in the app folder “app\_one”.

All the app classes or functions are linked in the app urls.py file/template.

3 ) urls.py in the project folder “django\_project\_one”.

App urls.py is linked with Project urls.py.

Coding files are attached; in the comments we can find the links between the files or templates.

Github link: -

<https://github.com/csanthoshkumarraju/Djangopracticalguide>

