# Create a Virtual environment

Python has it’s virtual env to make it convenient. You can read about it in this link. [Python venv: How To Create, Activate, Deactivate, And Delete • Python Land Tutorial](https://python.land/virtual-environments/virtualenv)

python -m venv venv

# Start venv and starting Django

blogpro\Scripts\activate

pip install Django

django-admin --version

django-admin startproject blogapp

cd blogapp

ls blogapp

# For use of project commands::

cd blogapp

python manage.py runserver

blogpro\Scripts\activate

cd blogpro\Scripts

deactivate

# Create base models

from django.db import models

from django.contrib.auth.models import User

class UserProfile(models.Model):

    user = models.OneToOneField(User, on\_delete=models.CASCADE)

    role = models.CharField(max\_length=50)

    delete\_flag = models.BooleanField(default=False)

    create\_timestamp = models.DateTimeField(auto\_now\_add=True)

class Blog(models.Model):

    title = models.CharField(max\_length=100)

    content = models.TextField()

    author = models.ForeignKey(UserProfile, on\_delete=models.CASCADE)

    delete\_flag = models.BooleanField(default=False)

    create\_timestamp = models.DateTimeField(auto\_now\_add=True)

class Role(models.Model):

    role\_name = models.CharField(max\_length=50)

    delete\_flag = models.BooleanField(default=False)

    create\_timestamp = models.DateTimeField(auto\_now\_add=True)

python manage.py makemigrations

python manage.py migrate

# Make basic functions

INSTALLED\_APPS = [

    'django.contrib.admin',

    'django.contrib.auth',

    'django.contrib.contenttypes',

    'django.contrib.sessions',

    'django.contrib.messages',

    'django.contrib.staticfiles',

    'blogapp',

]