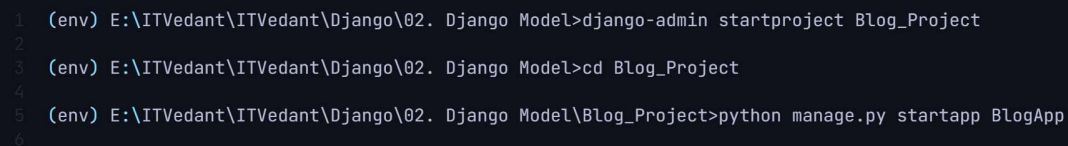


Project github Link

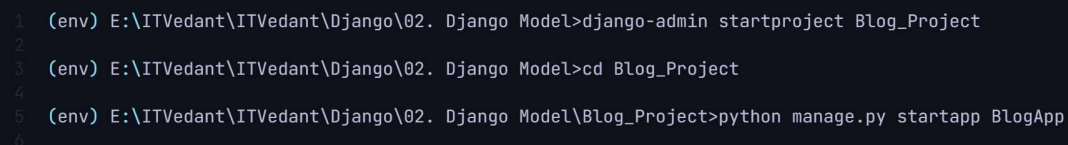
https://github.com/Sushant98K/ITVedant/tree/main/Django/02.%20Django%20Model/Blog_Project

create a project named "Blog_Project" in django.

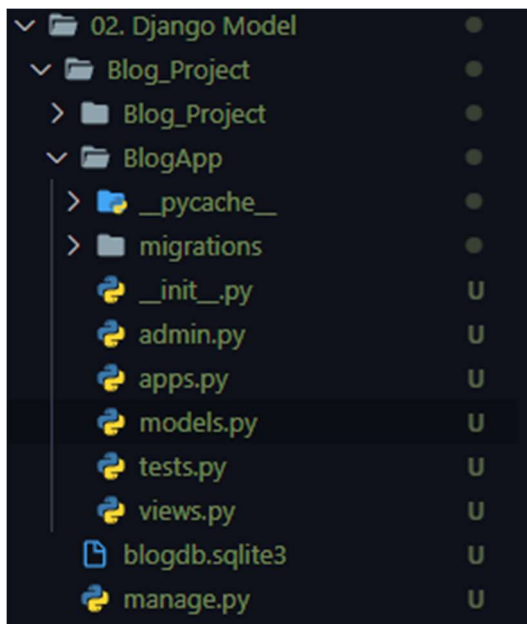
A terminal window with a dark background and three colored window control buttons (red, yellow, green) in the top-left corner. It displays three commands for creating a Django project named 'Blog_Project'.

```
1 (env) E:\ITVedant\ITVedant\Django\02. Django Model>django-admin startproject Blog_Project
2
3 (env) E:\ITVedant\ITVedant\Django\02. Django Model>cd Blog_Project
4
5 (env) E:\ITVedant\ITVedant\Django\02. Django Model\Blog_Project>python manage.py startapp BlogApp
6
```

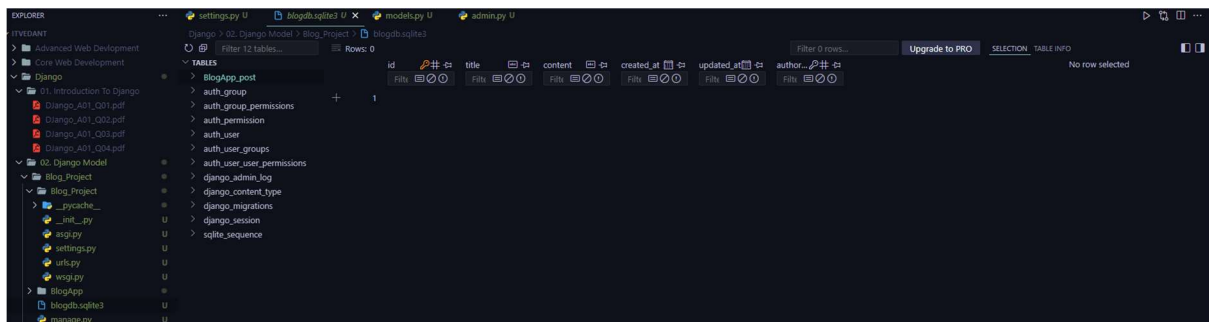
Create application named as "BlogApp" in django or you can take any convenient name for application.

A terminal window with a dark background and three colored window control buttons (red, yellow, green) in the top-left corner. It displays three commands for creating a Django project named 'Blog_Project'.

```
1 (env) E:\ITVedant\ITVedant\Django\02. Django Model>django-admin startproject Blog_Project
2
3 (env) E:\ITVedant\ITVedant\Django\02. Django Model>cd Blog_Project
4
5 (env) E:\ITVedant\ITVedant\Django\02. Django Model\Blog_Project>python manage.py startapp BlogApp
6
```



Create a database named as "blogdb".



Configure the database in settings.py.

```
1 DATABASES = {
2     'default': {
3         'ENGINE': 'django.db.backends.sqlite3',
4         'NAME': BASE_DIR / 'blogdb.sqlite3',    # Database file name
5     }
6 }
7
```

Define a 'Post' model with fields for 'title', 'content','created_at', and 'updated_at' in Blog_project.[Note that author is taking the reference of the user Created in inbuilt User model]

```
1 from django.db import models
2 from django.contrib.auth.models import User    # Built-in User model
3
4 # Custom Post model
5 class Post(models.Model):
6     title = models.CharField(max_length=200)
7     content = models.TextField()
8     created_at = models.DateTimeField(auto_now_add=True)
9     updated_at = models.DateTimeField(auto_now=True)
10    author = models.ForeignKey(User, on_delete=models.CASCADE) # One-to-many relationship
11
12    def __str__(self):
13        return self.title
```

Establish one-to-many relationship between User Model and Post Model.

```
1 from django.db import models
2 from django.contrib.auth.models import User    # Built-in User model
3
4 # Custom Post model
5 class Post(models.Model):
6     title = models.CharField(max_length=200)
7     content = models.TextField()
8     created_at = models.DateTimeField(auto_now_add=True)
9     updated_at = models.DateTimeField(auto_now=True)
10    author = models.ForeignKey(User, on_delete=models.CASCADE) # One-to-many relationship
11
12    def __str__(self):
13        return self.title
```

Perform migrations for all the models created.

```
1 (env) E:\ITVedant\ITVedant\Django\02. Django Model\Blog_Project>python manage.py makemigrations
2 Migrations for 'BlogApp':
3   BlogApp\migrations\0001_initial.py
4     + Create model Post
5
6 (env) E:\ITVedant\ITVedant\Django\02. Django Model\Blog_Project>python manage.py migrate
7 Operations to perform:
8   Apply all migrations: BlogApp, admin, auth, contenttypes, sessions
9 Running migrations:
10   Applying contenttypes.0001_initial... OK
11   Applying auth.0001_initial... OK
12   Applying BlogApp.0001_initial... OK
13   Applying admin.0001_initial... OK
14   Applying admin.0002_logentry_remove_auto_add... OK
15   Applying admin.0003_logentry_add_action_flag_choices... OK
16   Applying contenttypes.0002_remove_content_type_name... OK
17   Applying auth.0002_alter_permission_name_max_length... OK
18   Applying auth.0003_alter_user_email_max_length... OK
19   Applying auth.0004_alter_user_username_opts... OK
20   Applying auth.0005_alter_user_last_login_null... OK
21   Applying auth.0006_require_contenttypes_0002... OK
22   Applying auth.0007_alter_validators_add_error_messages... OK
23   Applying auth.0008_alter_user_username_max_length... OK
24   Applying auth.0009_alter_user_last_name_max_length... OK
25   Applying auth.0010_alter_group_name_max_length... OK
26   Applying auth.0011_update_proxy_permissions... OK
27   Applying auth.0012_alter_user_first_name_max_length... OK
28   Applying sessions.0001_initial... OK
```