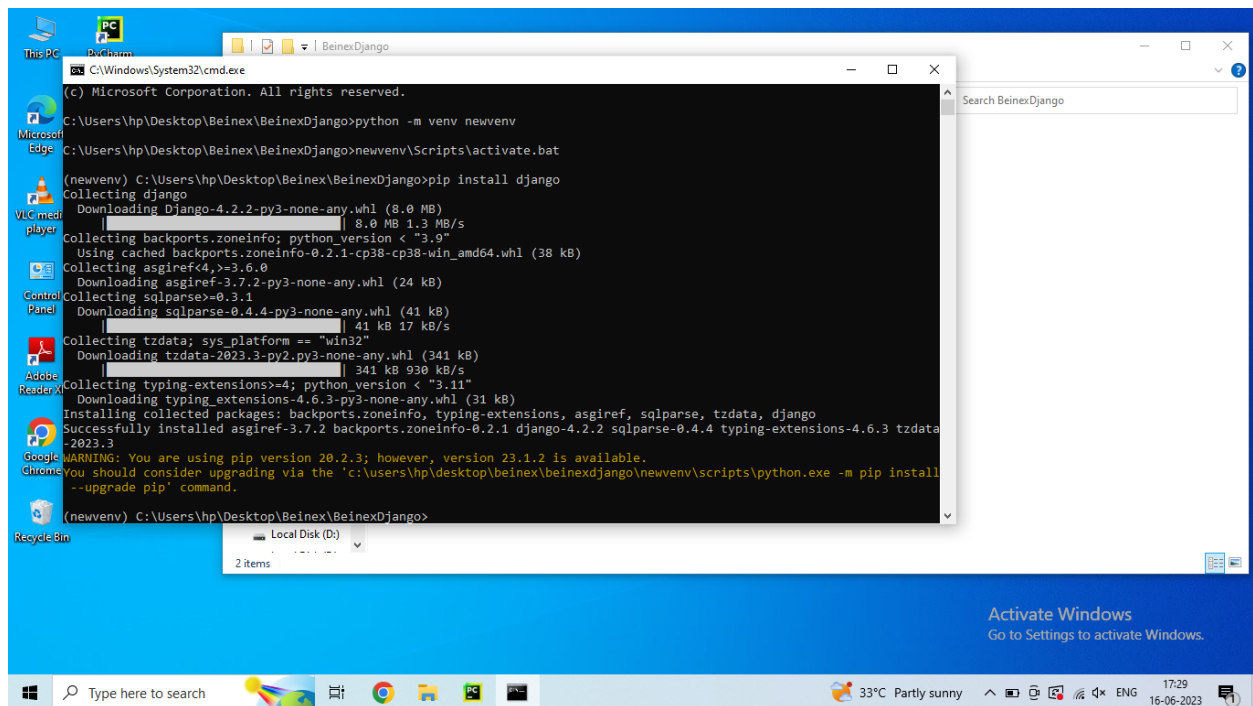


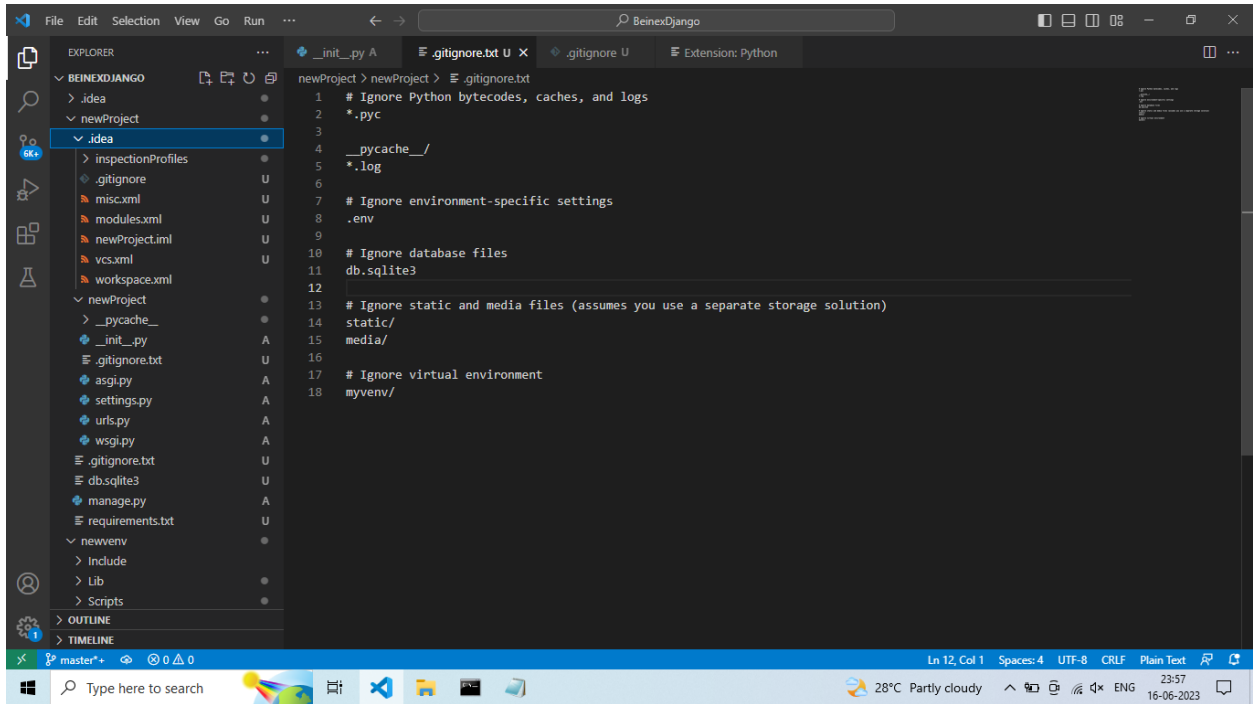
**Activities- Django project  
creation and management  
using admin panel**

-> Create a Django project and use a virtual environment for the django project.

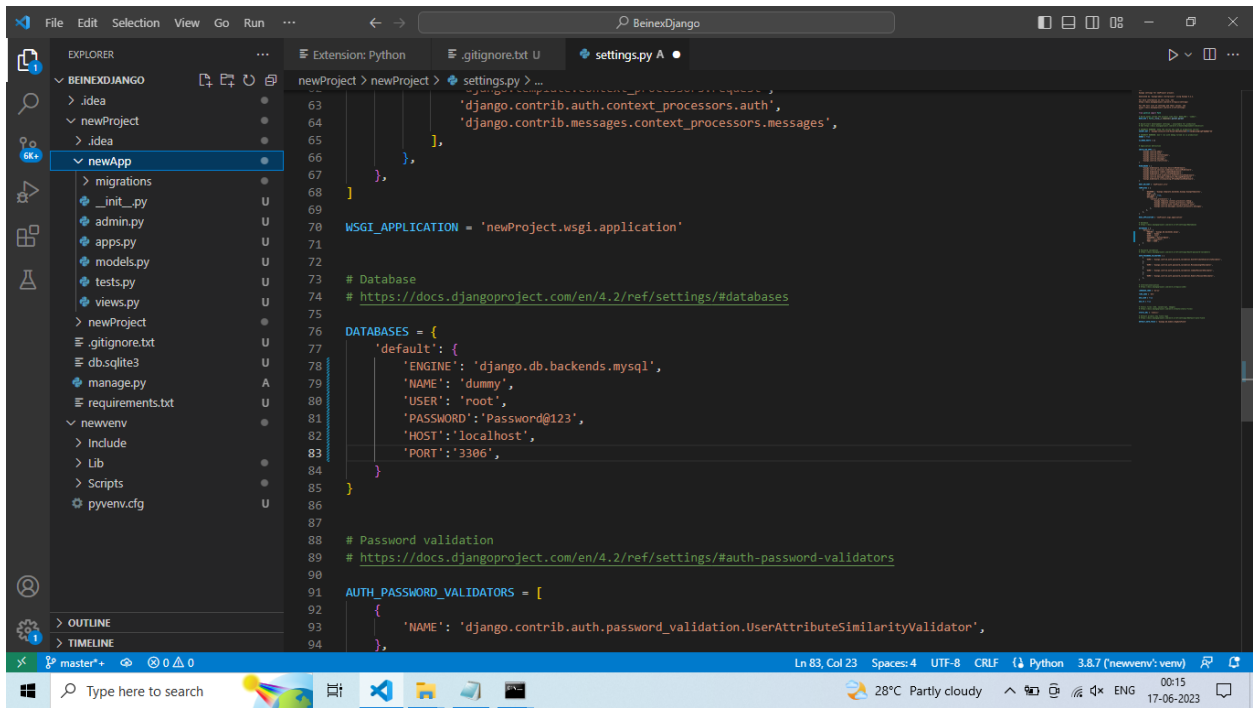
```
python -m venv newvenv  
newvenv\Scripts\activate.bat
```



-> Setup a git repository for the django project, use gitignore file and requirements.txt file for the project(refer google).



-> Setup mysql database configuration for the project(refer google).



-> Create superuser for the project(3 super users with different usernames).

```
C:\Windows\System32\cmd.exe

C:\Users\hp\Desktop\Beinex\BeinexDjango\newProject>python manage.py createsuperuser
Username (leave blank to use 'hp'): Femina
Error: Enter a valid username. This value may contain only letters, numbers, and @/./+/-/_ characters.
Username (leave blank to use 'hp'): Femina
Email address: femina@gmail.com
Password:
Password (again):
This password is too short. It must contain at least 8 characters.
This password is too common.
This password is entirely numeric.
Bypass password validation and create user anyway? [y/N]: N
Password:
Password (again):
Superuser created successfully.

C:\Users\hp\Desktop\Beinex\BeinexDjango\newProject>python manage.py createsuperuser
Username (leave blank to use 'hp'): ansar
Email address: ansar@gmail.com
Password:
Password (again):
Superuser created successfully.

C:\Users\hp\Desktop\Beinex\BeinexDjango\newProject>python manage.py createsuperuser
Username (leave blank to use 'hp'): rayan
Email address: rayan@gmail.com
Password:
Password (again):
Superuser created successfully.

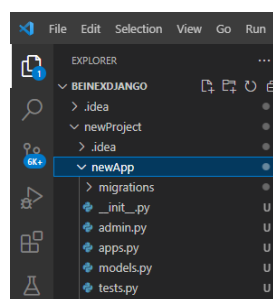
C:\Users\hp\Desktop\Beinex\BeinexDjango\newProject>
```

-> Create a new app for the project.

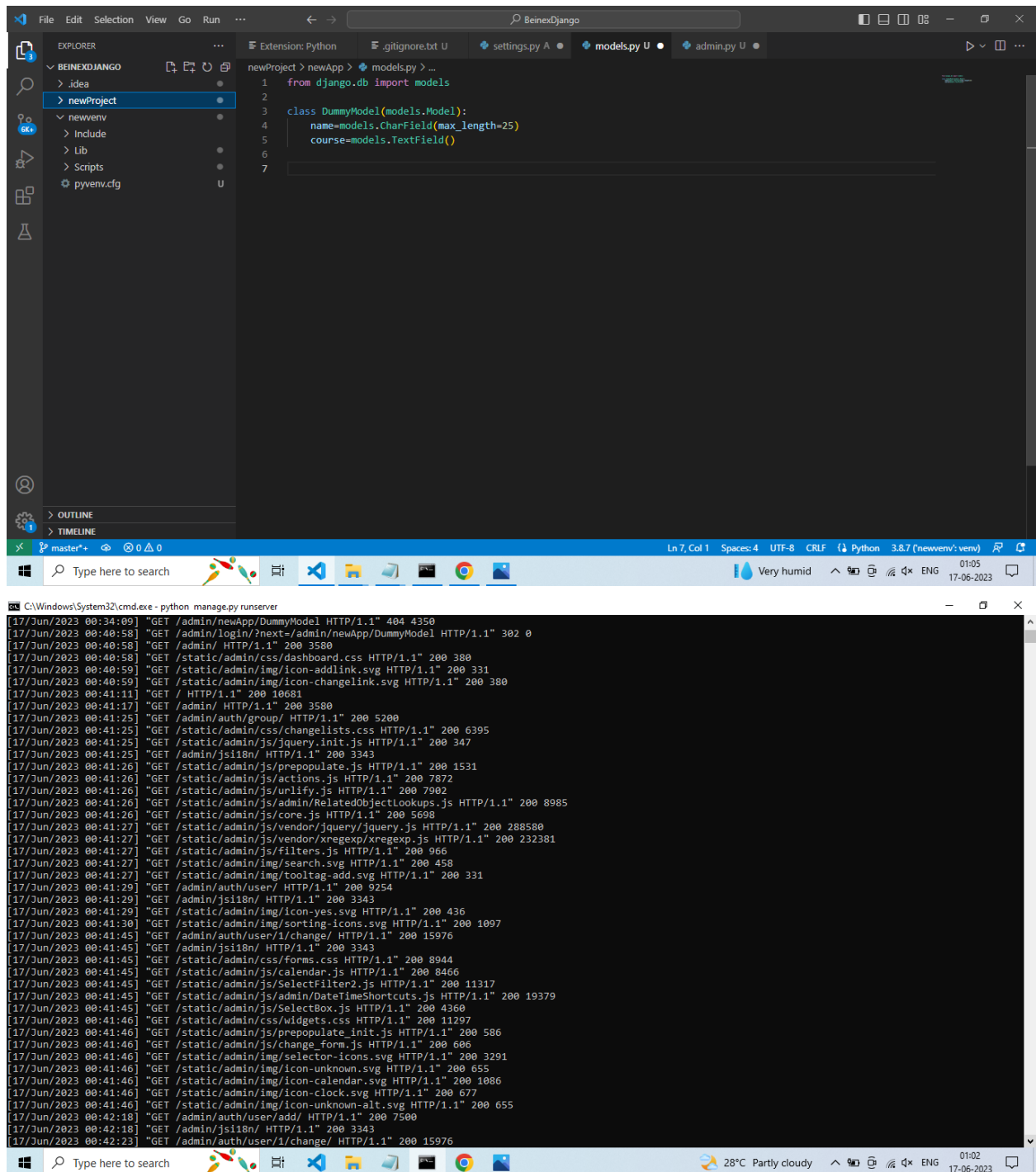
```
C:\Windows\System32\cmd.exe

Microsoft Windows [Version 10.0.19045.2846]
(c) Microsoft Corporation. All rights reserved.

C:\Users\hp\Desktop\Beinex\BeinexDjango\newProject>python manage.py startapp newApp
C:\Users\hp\Desktop\Beinex\BeinexDjango\newProject>
```



-> Add a dummy model and apply migrations.

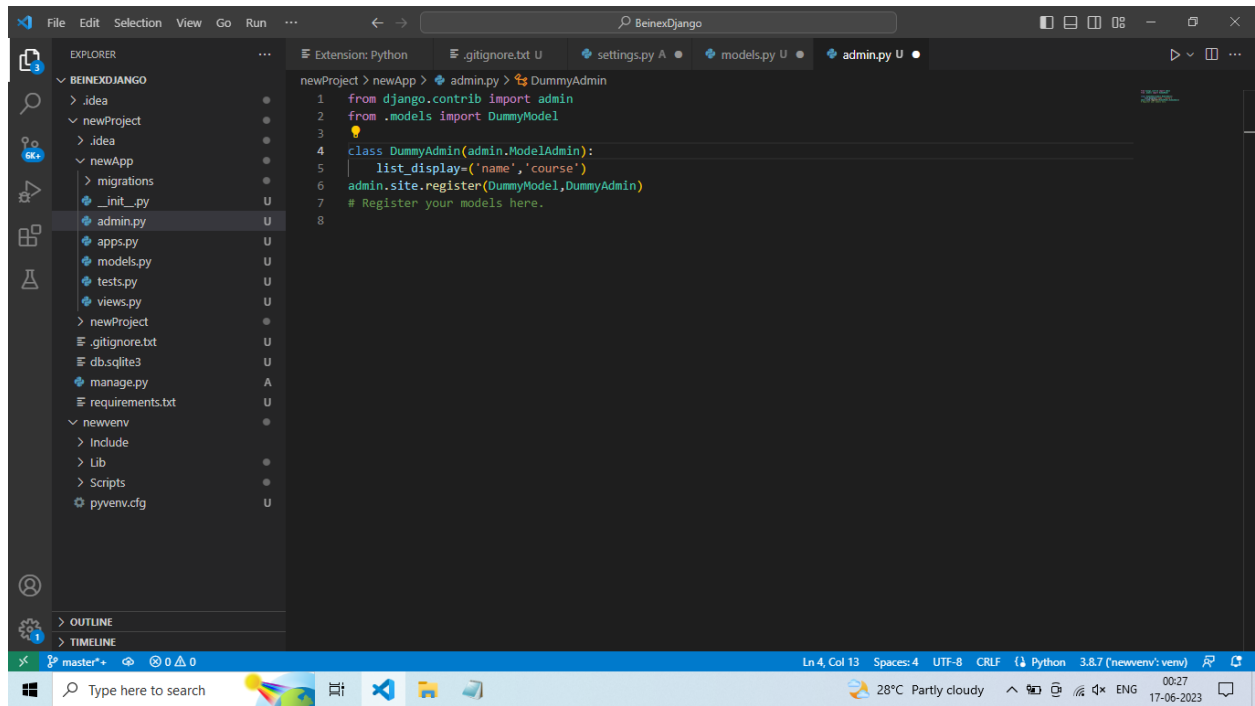


The screenshot shows an IDE (likely PyCharm) with a Django project named 'BeinexDjango'. The Explorer panel on the left shows the project structure, including 'newProject', 'newenv', and 'pyenv.cfg'. The main editor window shows the 'models.py' file with the following code:

```
1 from django.db import models
2
3 class DummyModel(models.Model):
4     name=models.CharField(max_length=25)
5     course=models.TextField()
6
7
```

The bottom panel shows a terminal window with the command 'python manage.py runserver' and the output of the Django development server. The output shows the server is running on port 8000 and lists the static files being served.

-> Register the model to admin panel using admin.py file.



-> Interact with the admin panel to create data in the dummy model.

Select user to change | Django site

127.0.0.1:8000/admin/auth/user/

Django administration

WELCOME, **ANSAR**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home / Authentication and Authorization / Users

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

Select user to change

ADD USER +

Q

Search

Action:  Go 0 of 3 selected

	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	Femina	femina@gmail.com			✓
<input type="checkbox"/>	ansar	ansar@gmail.com			✓
<input type="checkbox"/>	rayan	rayan@gmail.com			✓

3 users

FILTER

By staff status

All

Yes

No

By superuser status

All

Yes

No

By active

All

Yes

No

Type here to search

28°C Partly cloudy

ENG 00:41 17-06-2023

ansar | Change user | Django site

127.0.0.1:8000/admin/auth/user/2/change/

Django administration

WELCOME, **ANSAR**. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home / Authentication and Authorization / Users / ansar

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

Change user

HISTORY

**ansar**

Username: 

ansar

Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

Password: 

algorithm: pbkdf2\_sha256 iterations: 390000 salt: Xdn0Zq\*\*\*\*\* hash: ID0IEs\*\*\*\*\*

Raw passwords are not stored, so there is no way to see this user's password, but you can change the password using this form.

Personal info

First name:

Last name:

Email address: 

ansar@gmail.com

Permissions

☒ Active

Determines whether this user should be treated as active. Unselect this instead of deleting accounts.

Type here to search

28°C Partly cloudy

ENG 00:42 17-06-2023