DJANGO PROJECT CREATION

I WENT TO F DRIVE

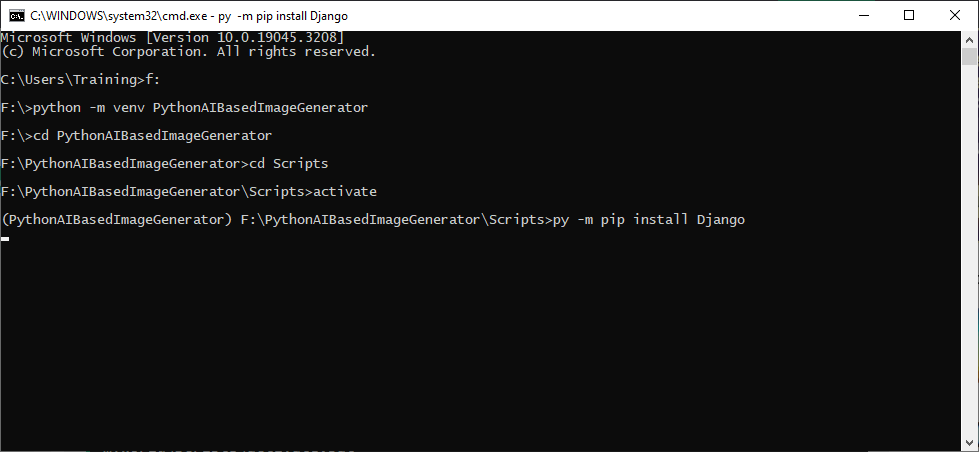
C:\USERS\TRAINING:F:

F:\>python –m venv PythonAIBasedImageGenerator

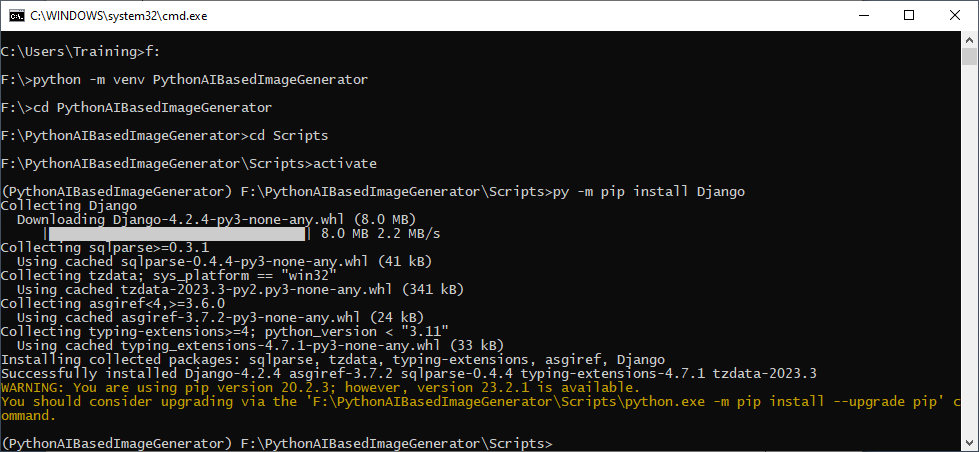
F:\ PythonAIBasedImageGenerator>cd scripts

F:\ PythonAIBasedImageGenerator\scripts>activate

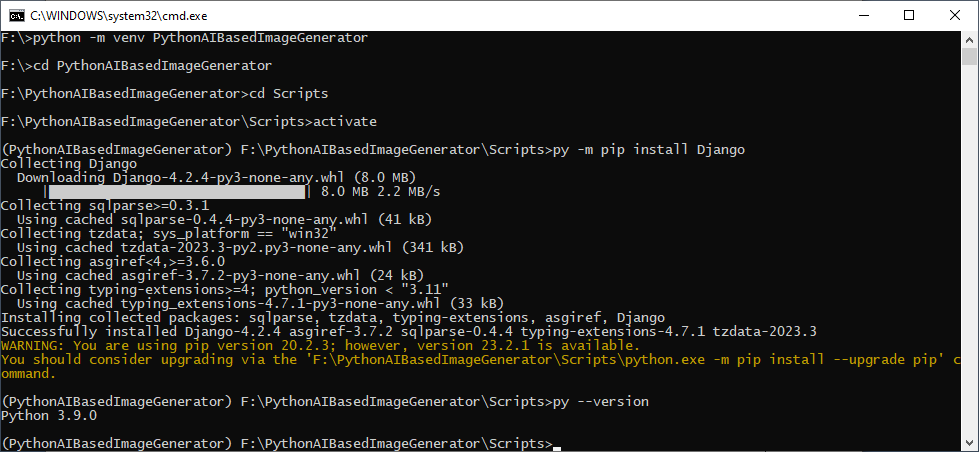
(PythonAIBasedImageGenerator) F:\PythonAIBasedImageGenerator\scripts>py –m pip install Django



Django installed



(PythonAIBasedImageGenerator) F:\PythonAIBasedImageGenerator\scripts>py –-version

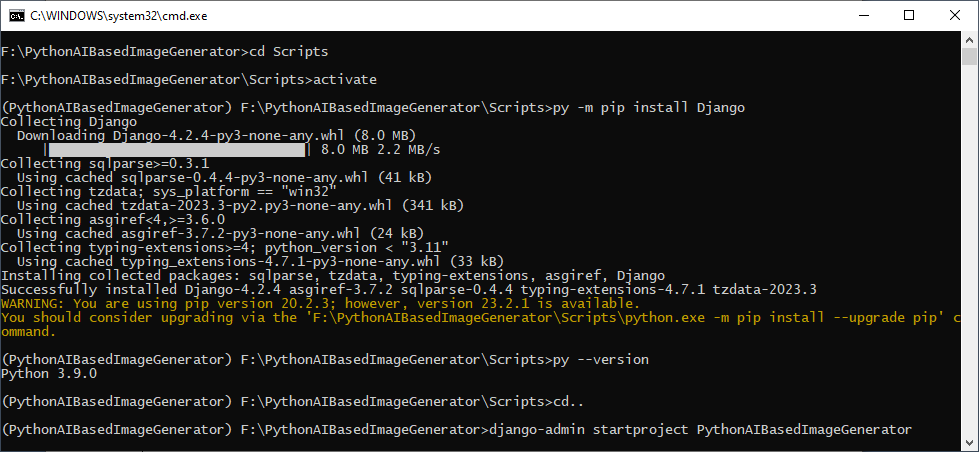


What's Next?

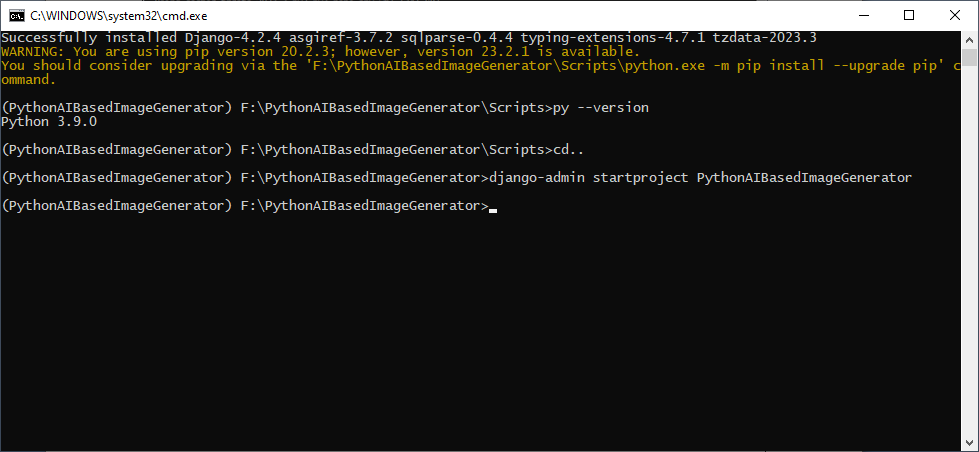
Now you are ready to create a Django project in a virtual environment on your computer.

(PythonAIBasedImageGenerator) F:\PythonAIBasedImageGenerator\scripts>cd..

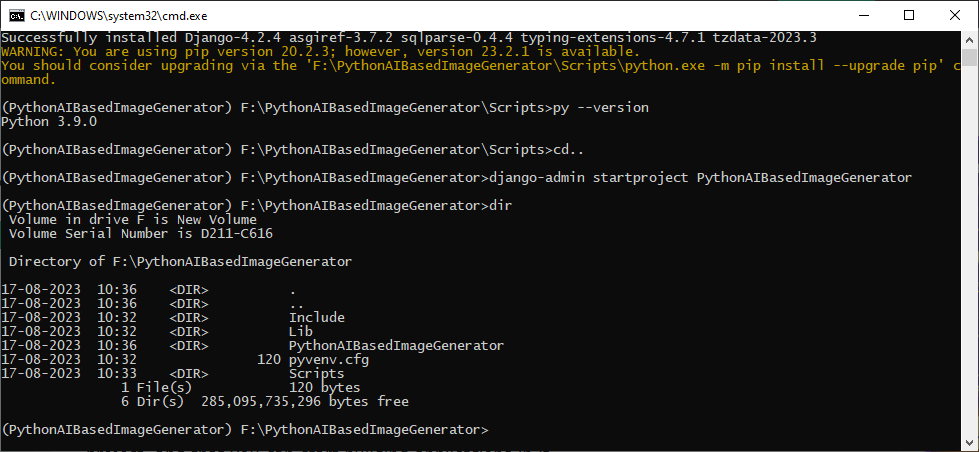
(PythonAIBasedImageGenerator) F:\PythonAIBasedImageGenerator> django-admin startproject PythonAIBasedImageGenerator

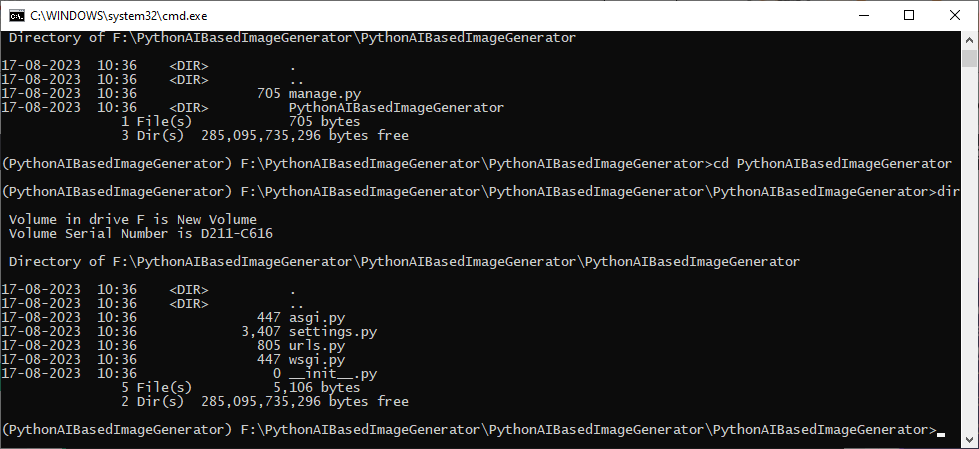


Project created



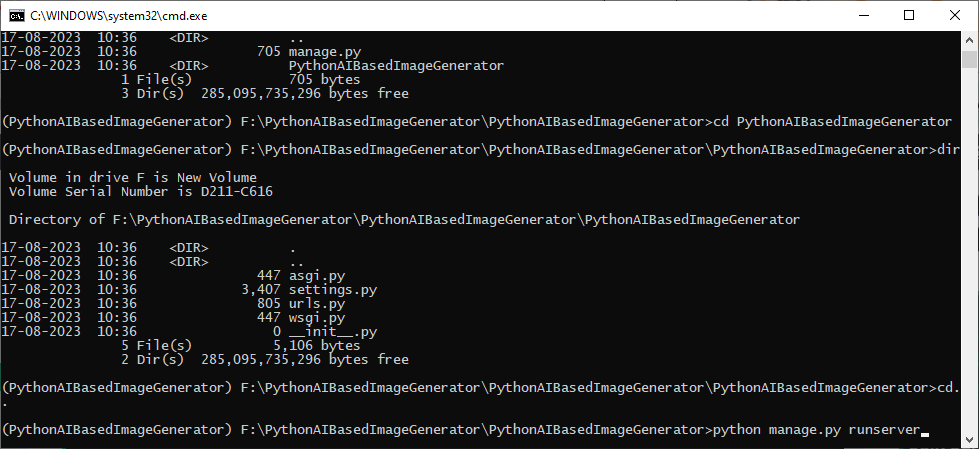
Folder structure:

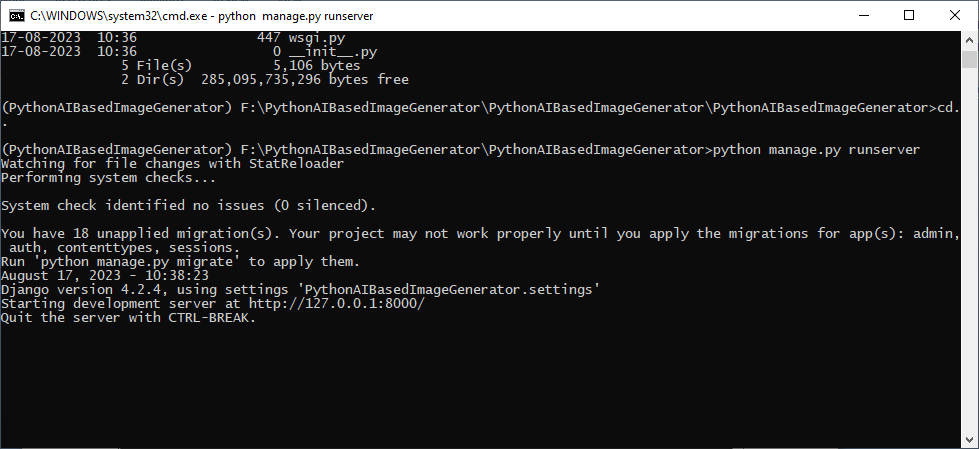




RUNNING THE SERVER

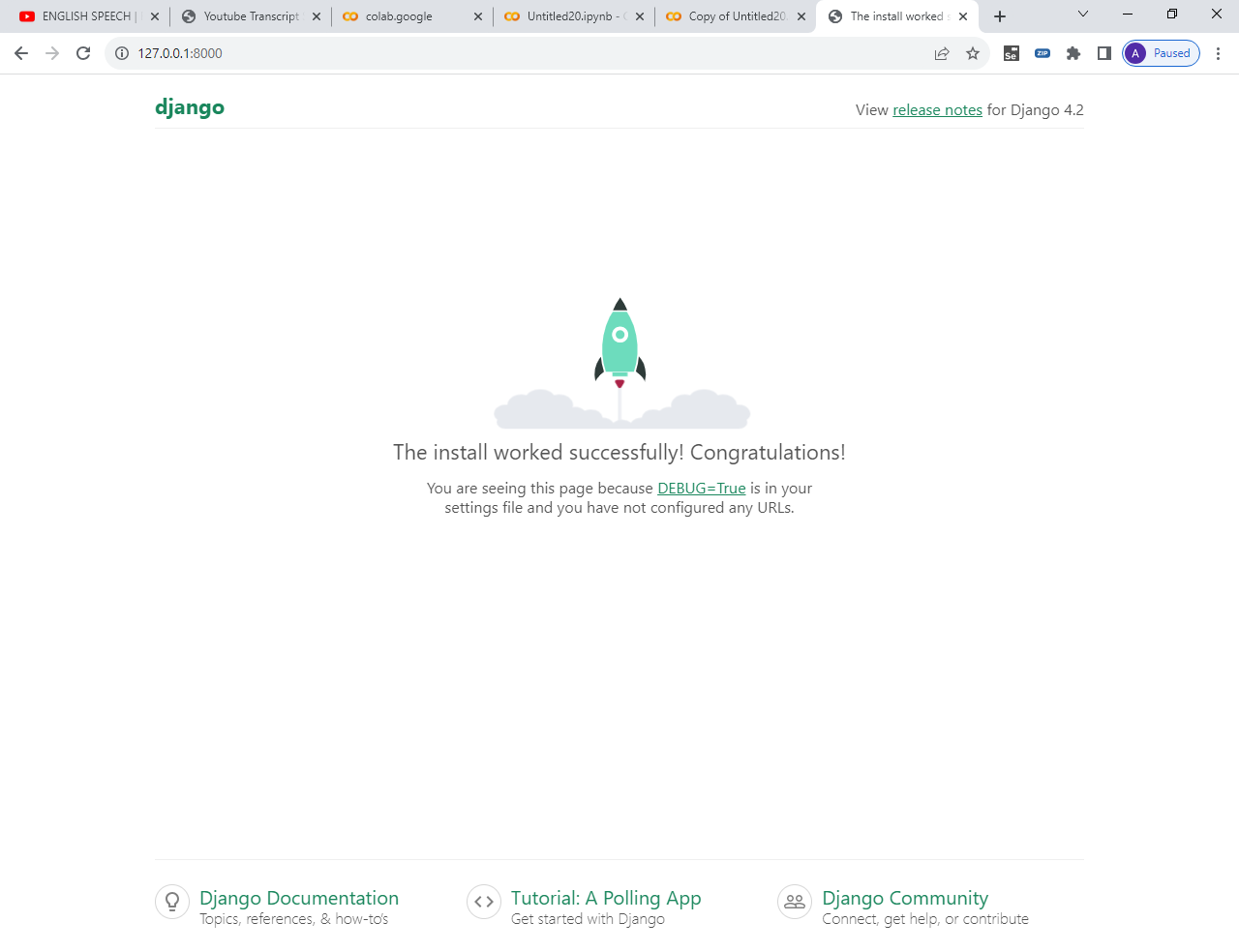
(PythonAIBasedImageGenerator) F:\PythonAIBasedImageGenerator\ PythonAIBasedImageGenerator >python manage.py runserver





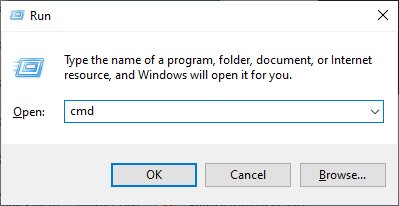
Server is running

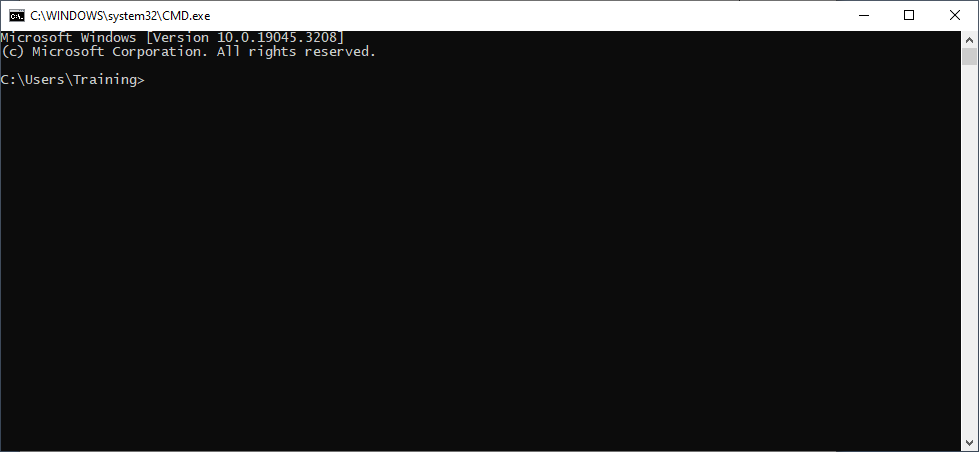
In the browser: type 127.0.0.1:8000



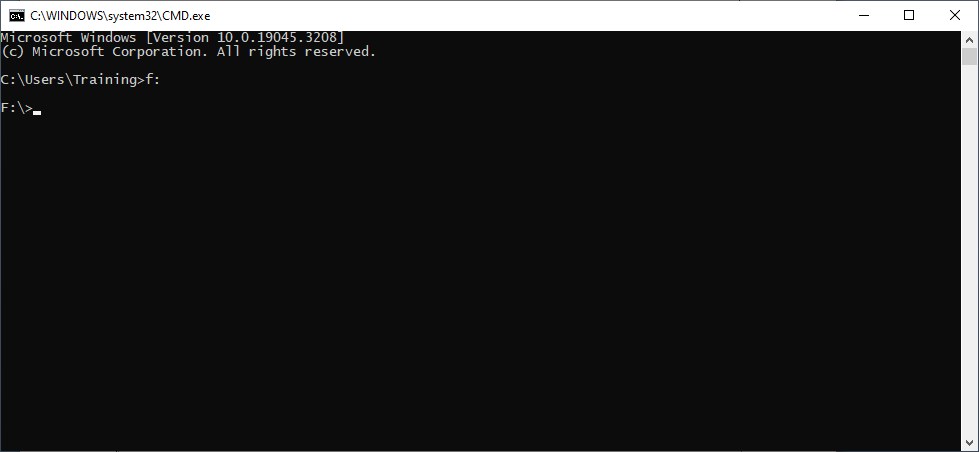
TO CREATE AN APP:

OPEN ANOTHER COMMAND PROMPT

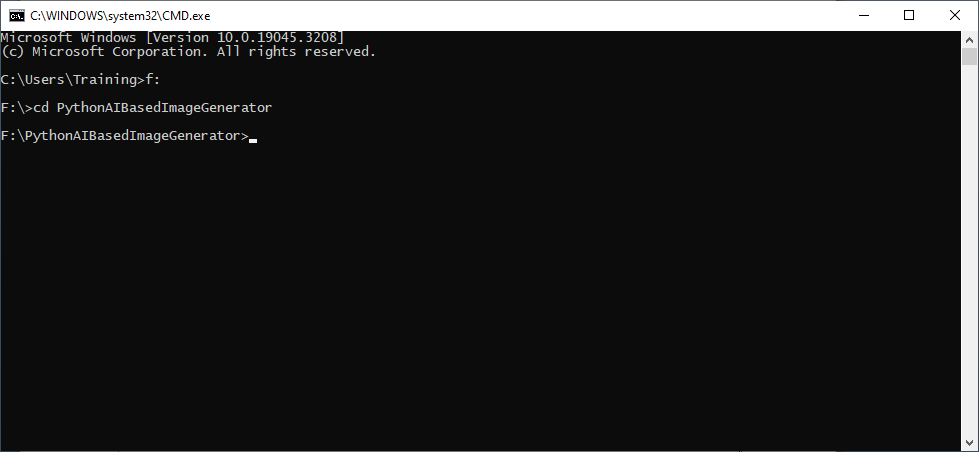




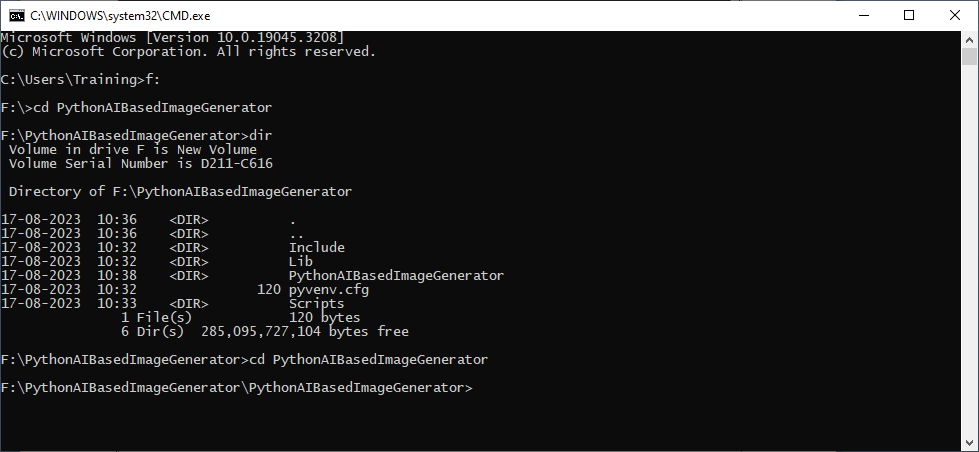
C:\users\training\>F:



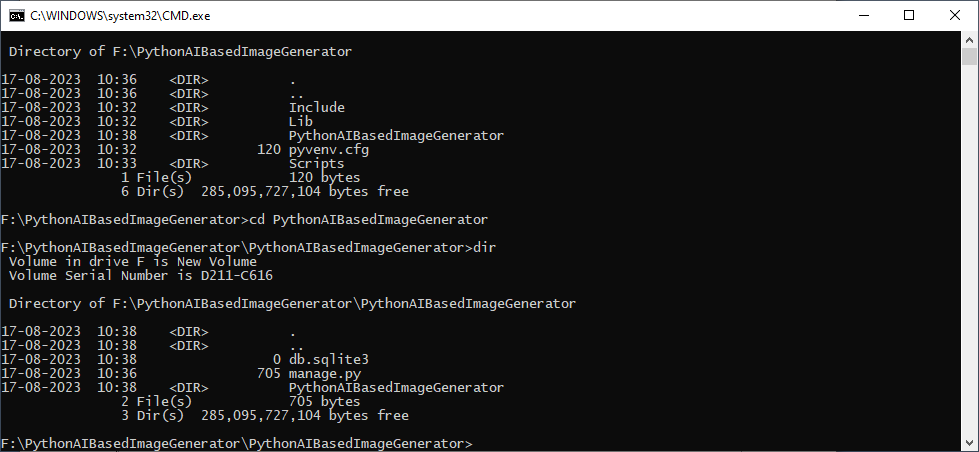
F:\PythonAIBasedImageGenerator>



F:\PythonAIBasedImageGenerator>dir

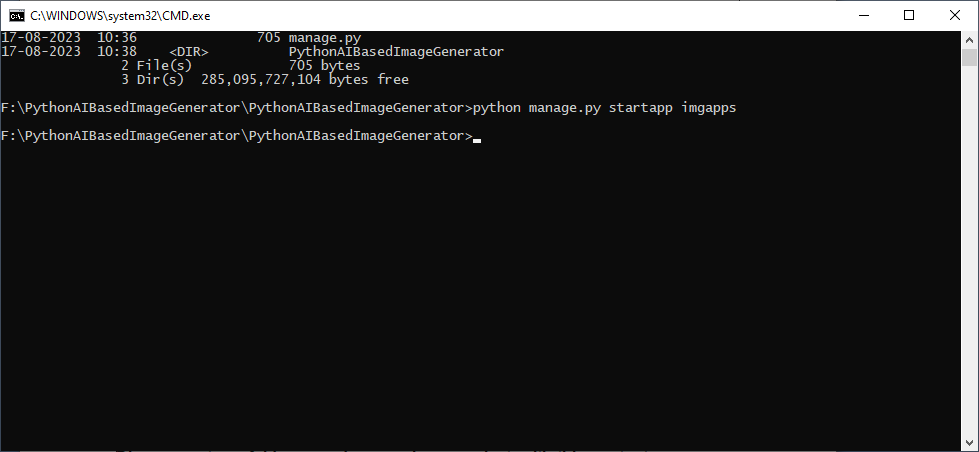


F:\PythonAIBasedImageGenerator>cd PythonAIBasedImageGenerator



Give any name for app : I gave imgapps

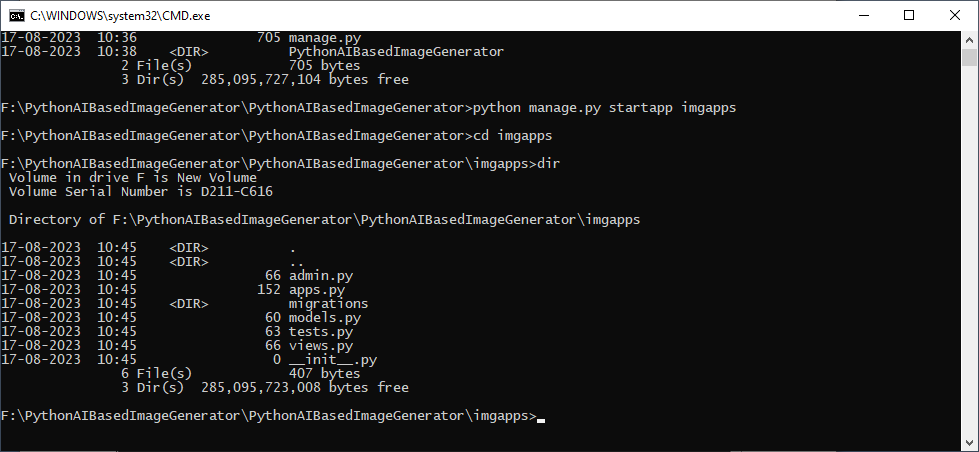
F:\PythonAIBasedImageGenerator\ PythonAIBasedImageGenerator>python manage.py startapp imgapps



Django creates a folder named imgapps in my project, with this content:

F:\PythonAIBasedImageGenerator\ PythonAIBasedImageGenerator>cd imgapps

F:\PythonAIBasedImageGenerator\ PythonAIBasedImageGenerator\imgapps\>dir

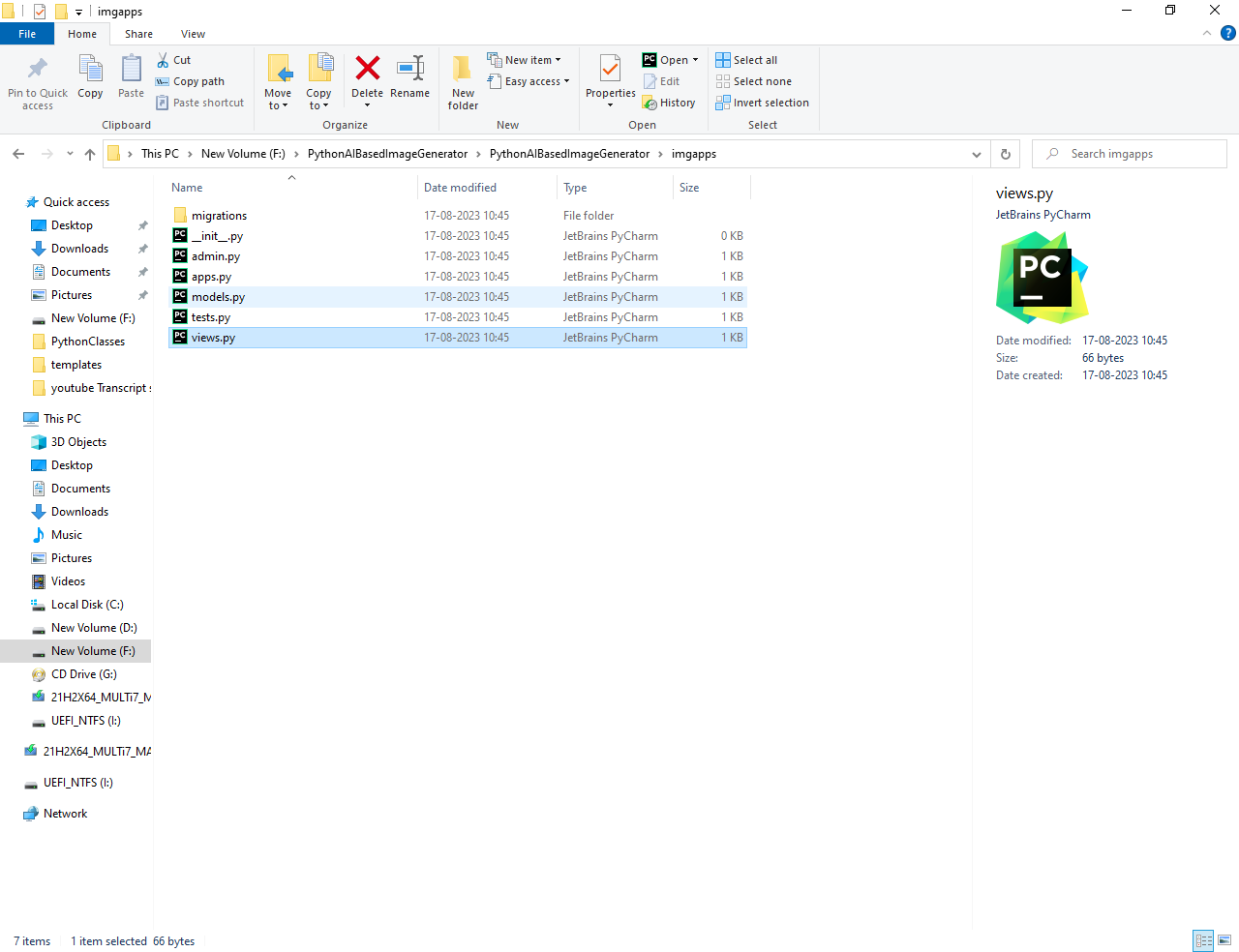


Django views are Python functions that takes http requests and returns http response, like HTML documents.

A web page that uses Django is full of views with different tasks and missions.

Views are usually put in a file called views.py located on your app's folder.

There is a views.py in your imgapps folder that looks like this:

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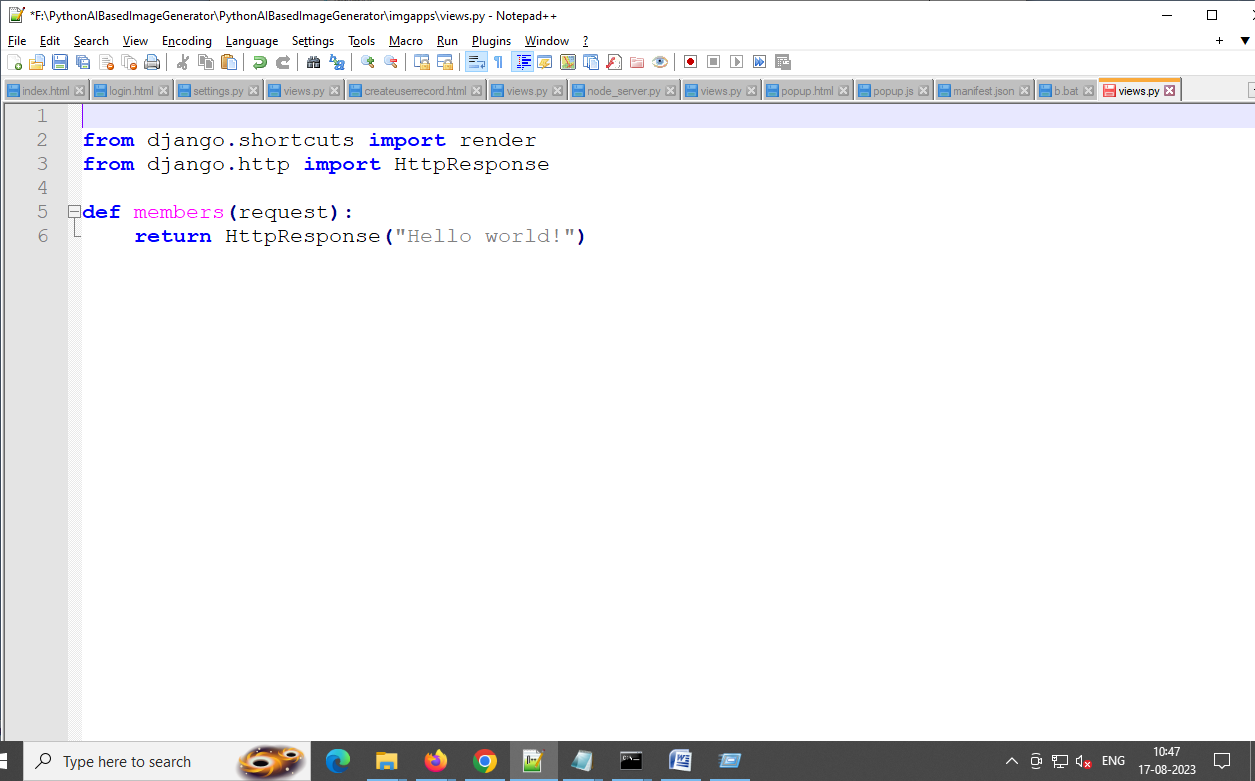
**Find it and open it, and replace the content with this:**

from django.shortcuts import render

from django.http import HttpResponse

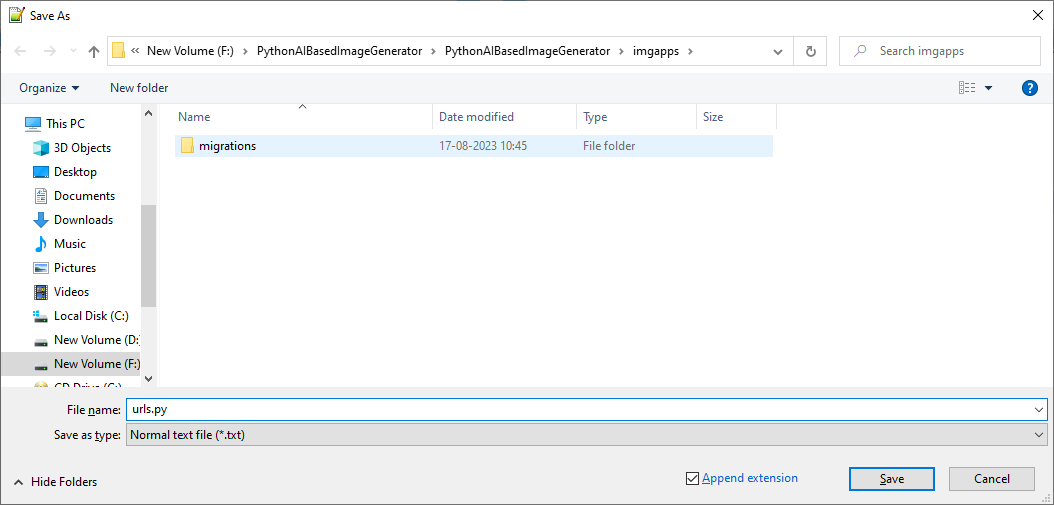
def members(request):

return HttpResponse("Hello world!")

****

## URLs

Create a file named urls.py in the same folder as the views.py file, and type this code in it:

****

**Paste this code**

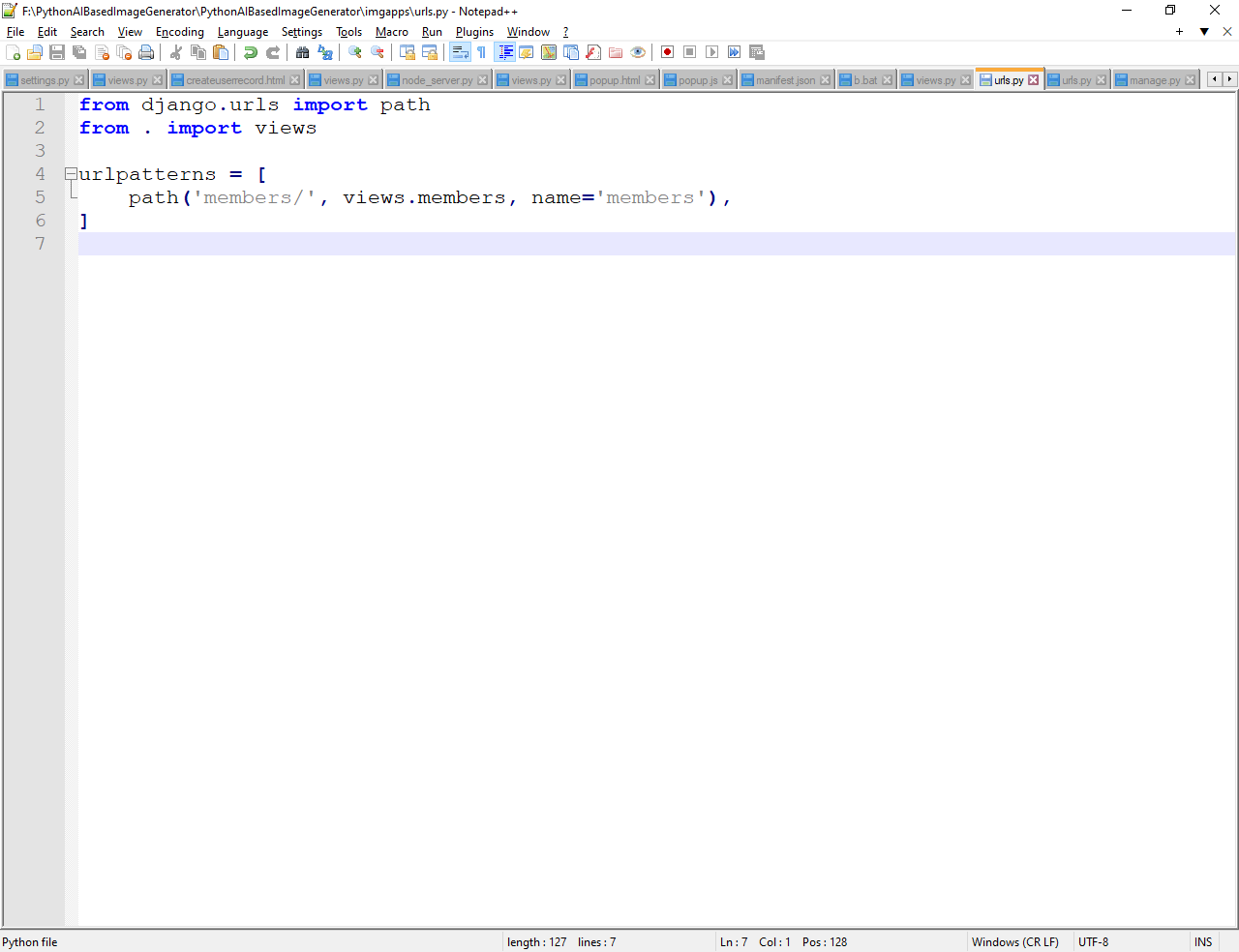
from django.urls import path

from . import views

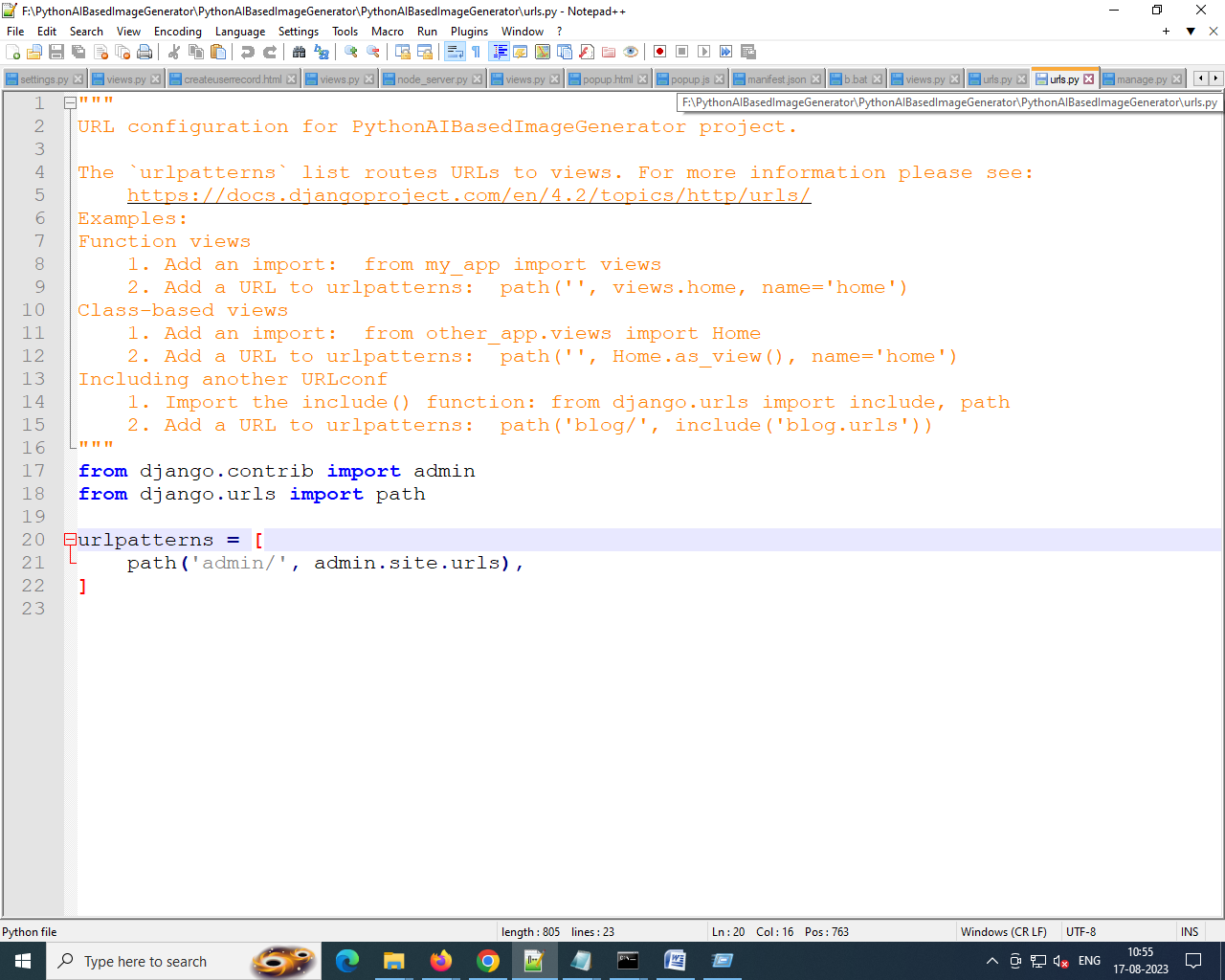
urlpatterns = [

path('members/', views.members, name='members'),

]



Open the urls.py in F:\PythonAIBasedImageGenerator\ PythonAIBasedImageGenerator



Paste this code

from django.contrib import admin

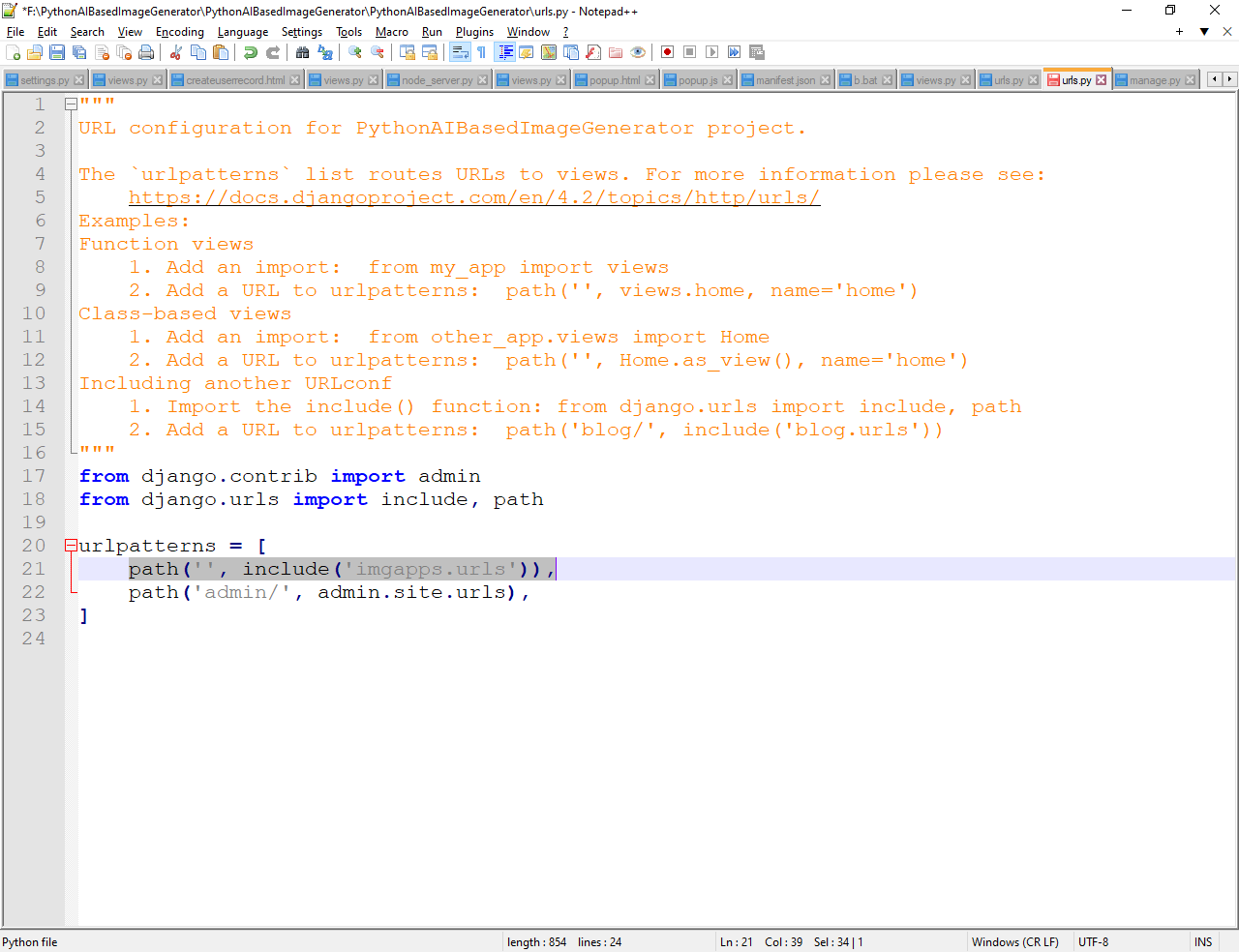
from django.urls import include, path

urlpatterns = [

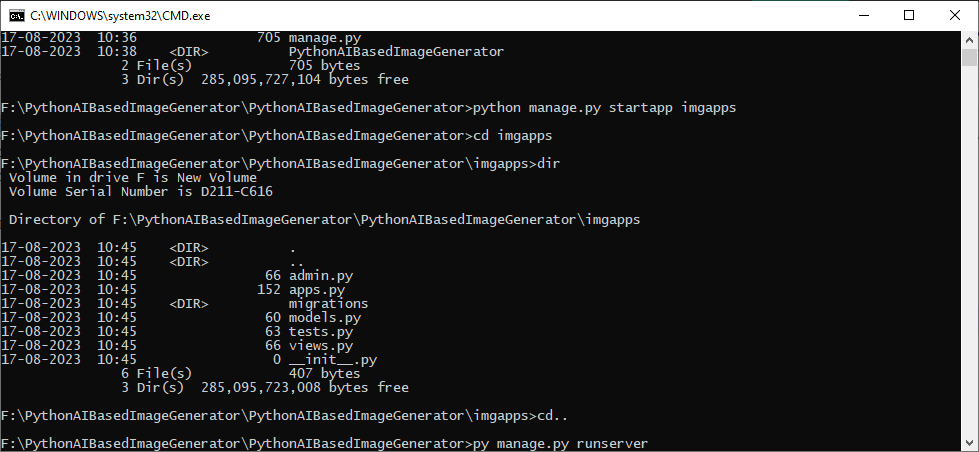
path('', include('imgapps.urls')),

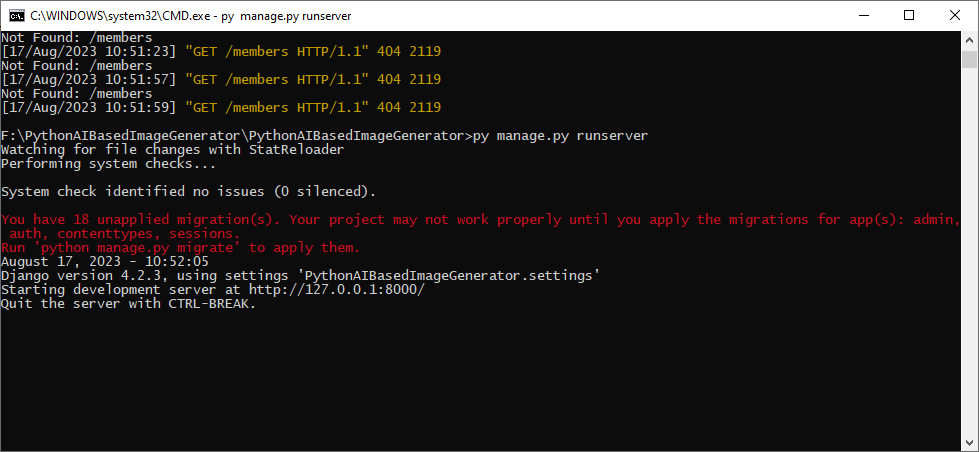
path('admin/', admin.site.urls),

]

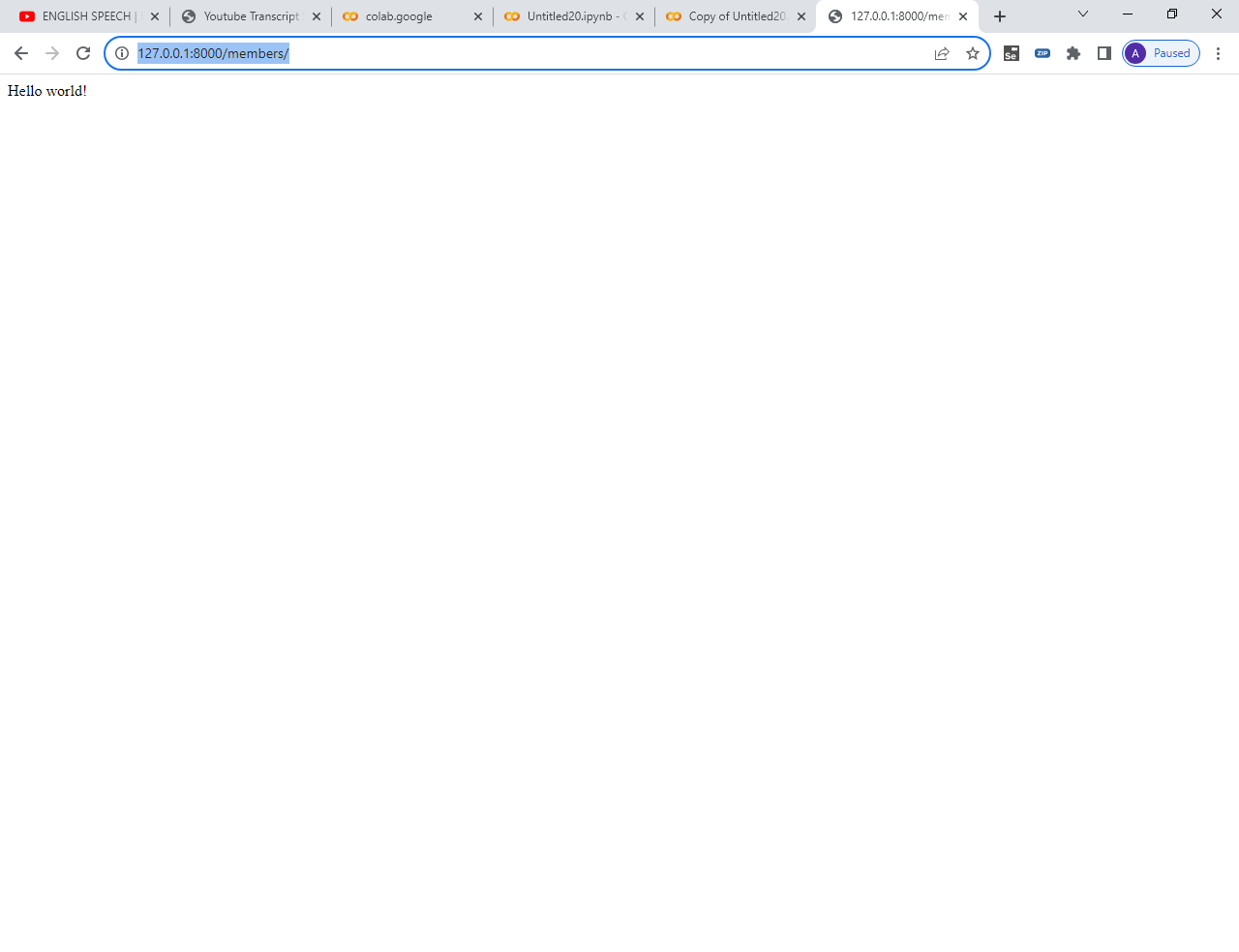


Run the following command





In the browser, enter: 127.0.0.1:8000



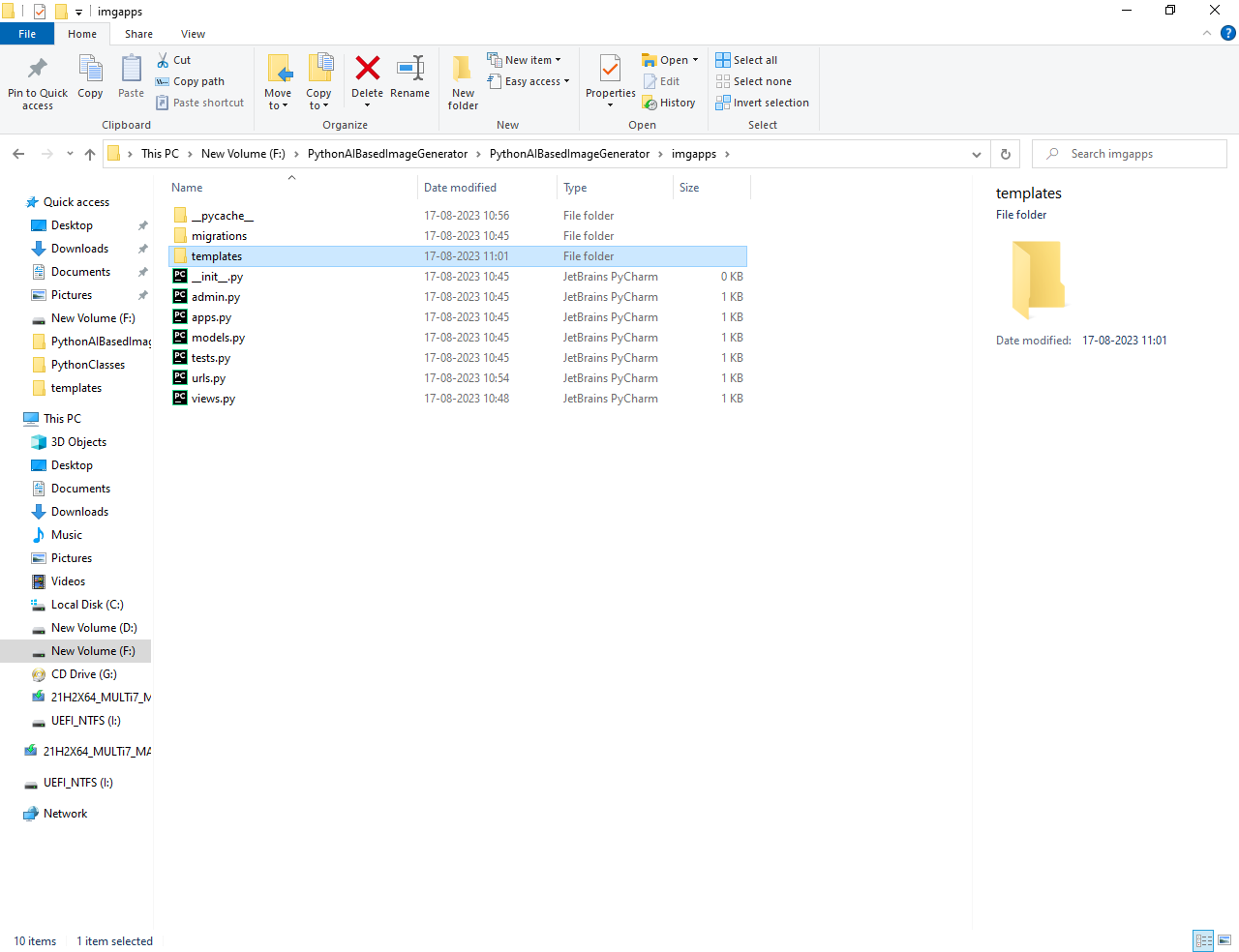
See the result

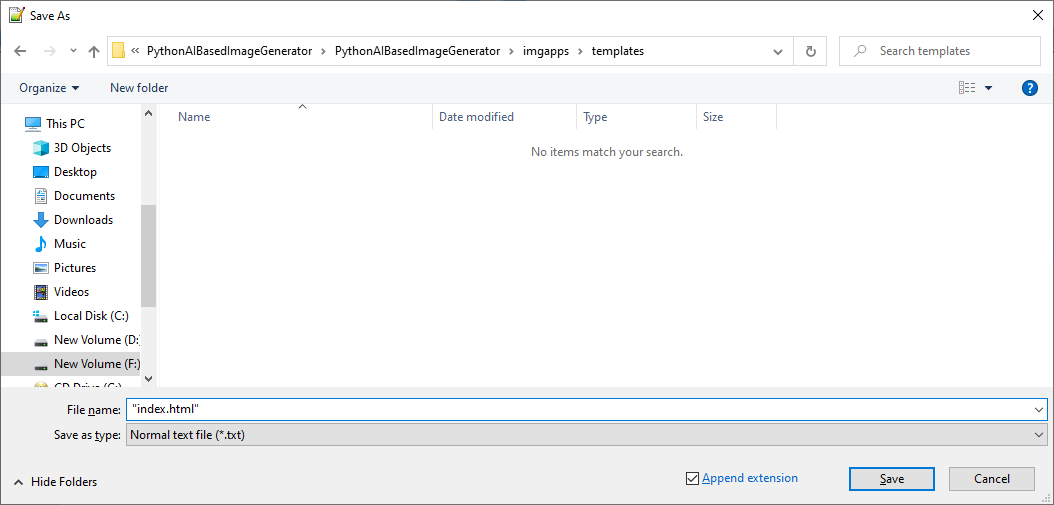
Chapter 2

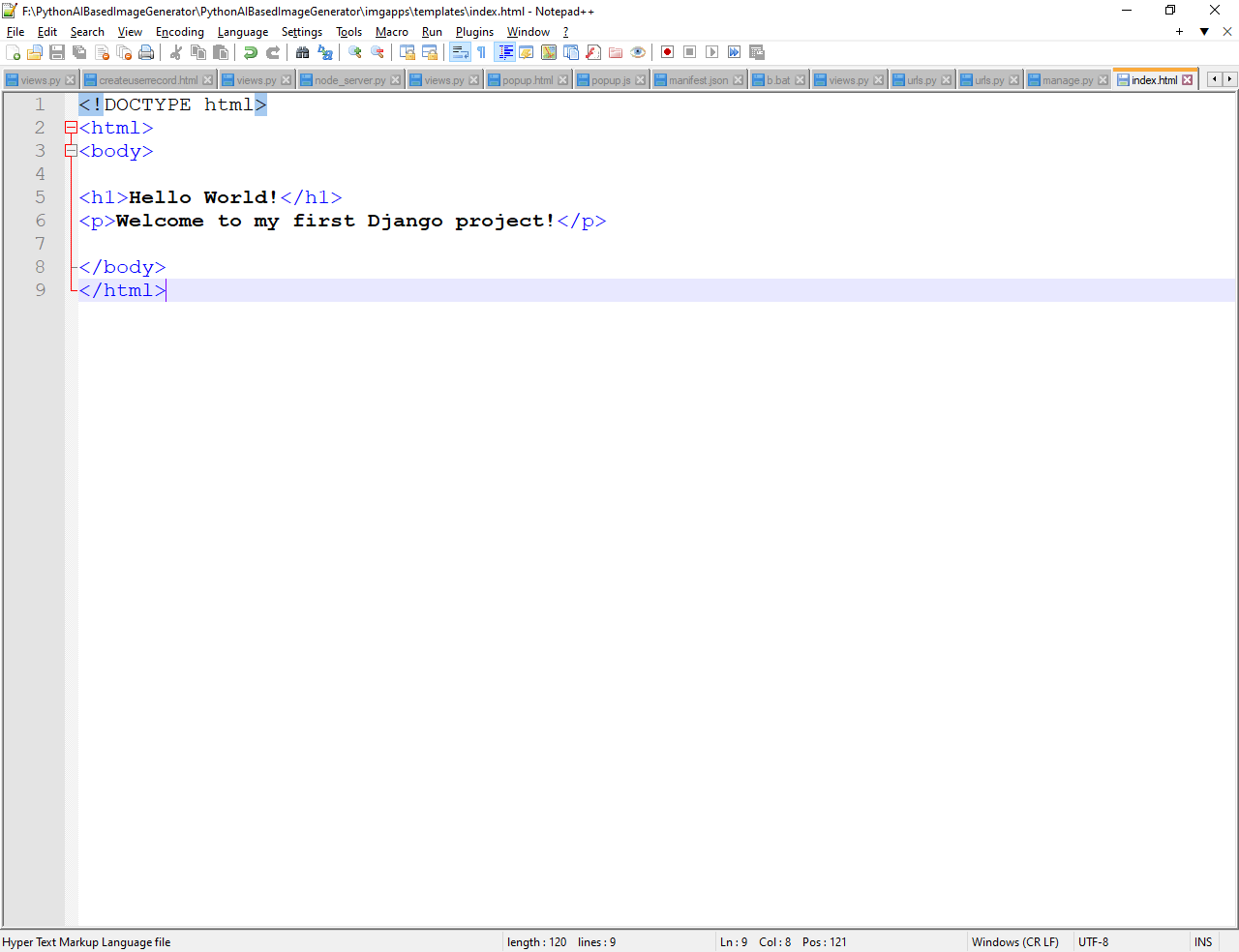
# Django Templates

Create a templates folder inside the imgapps folder, and create a HTML file named index.html.

The file structure should be like this:

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Modify the View

Open the views.py file and replace the members view with this:

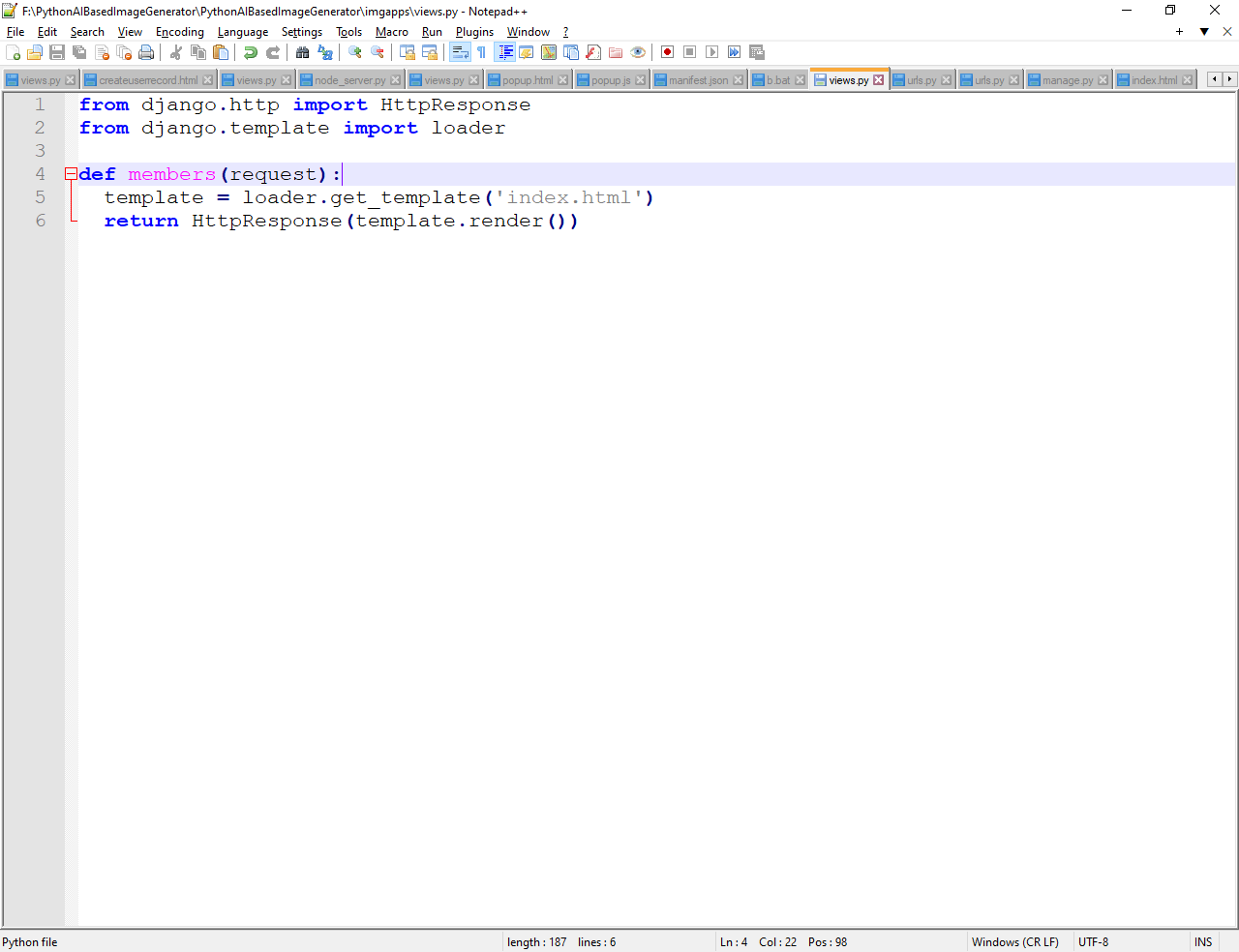
from django.http import HttpResponse

from django.template import loader

def members(request):

template = loader.get\_template(index.html')

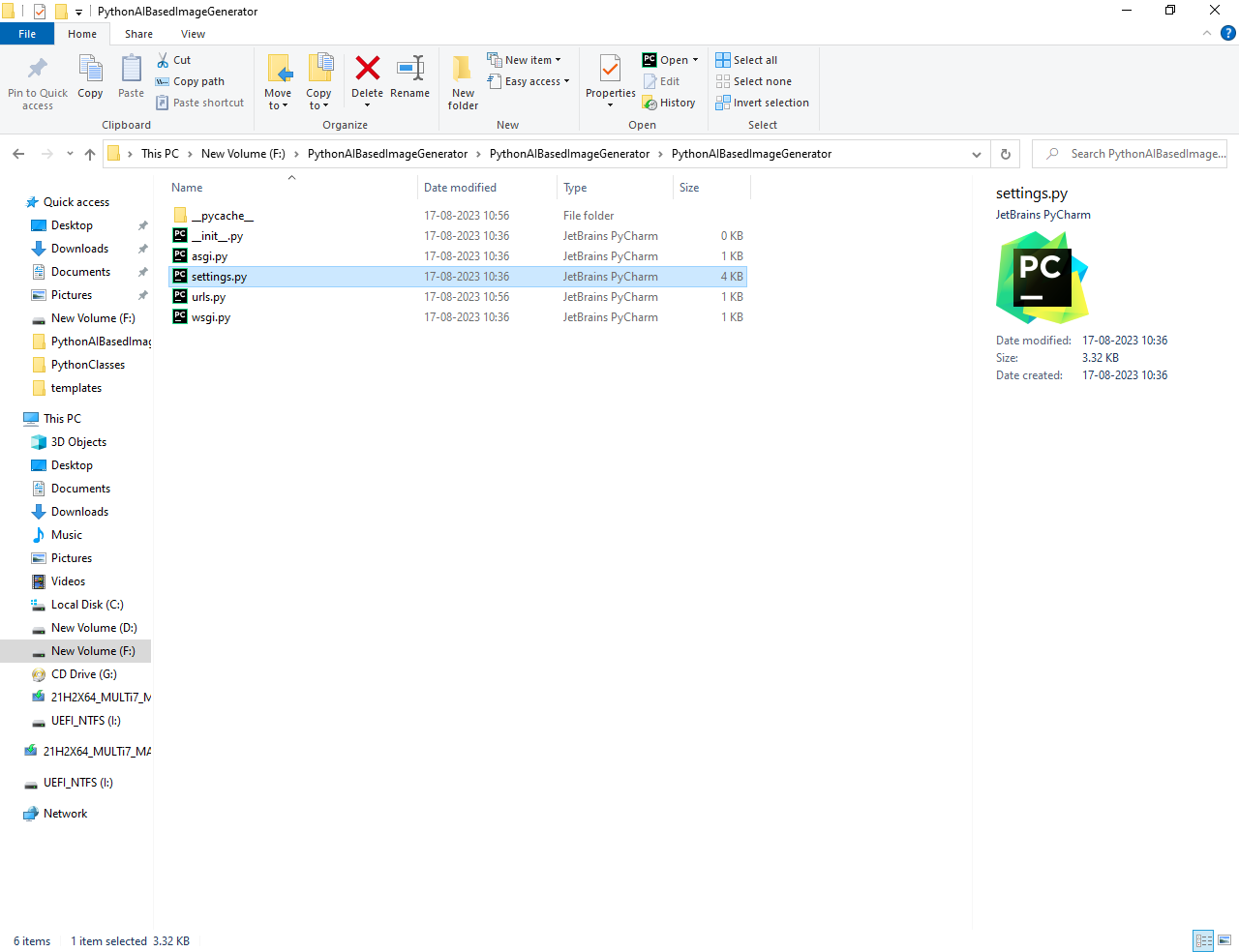
return HttpResponse(template.render())

****

Change Settings

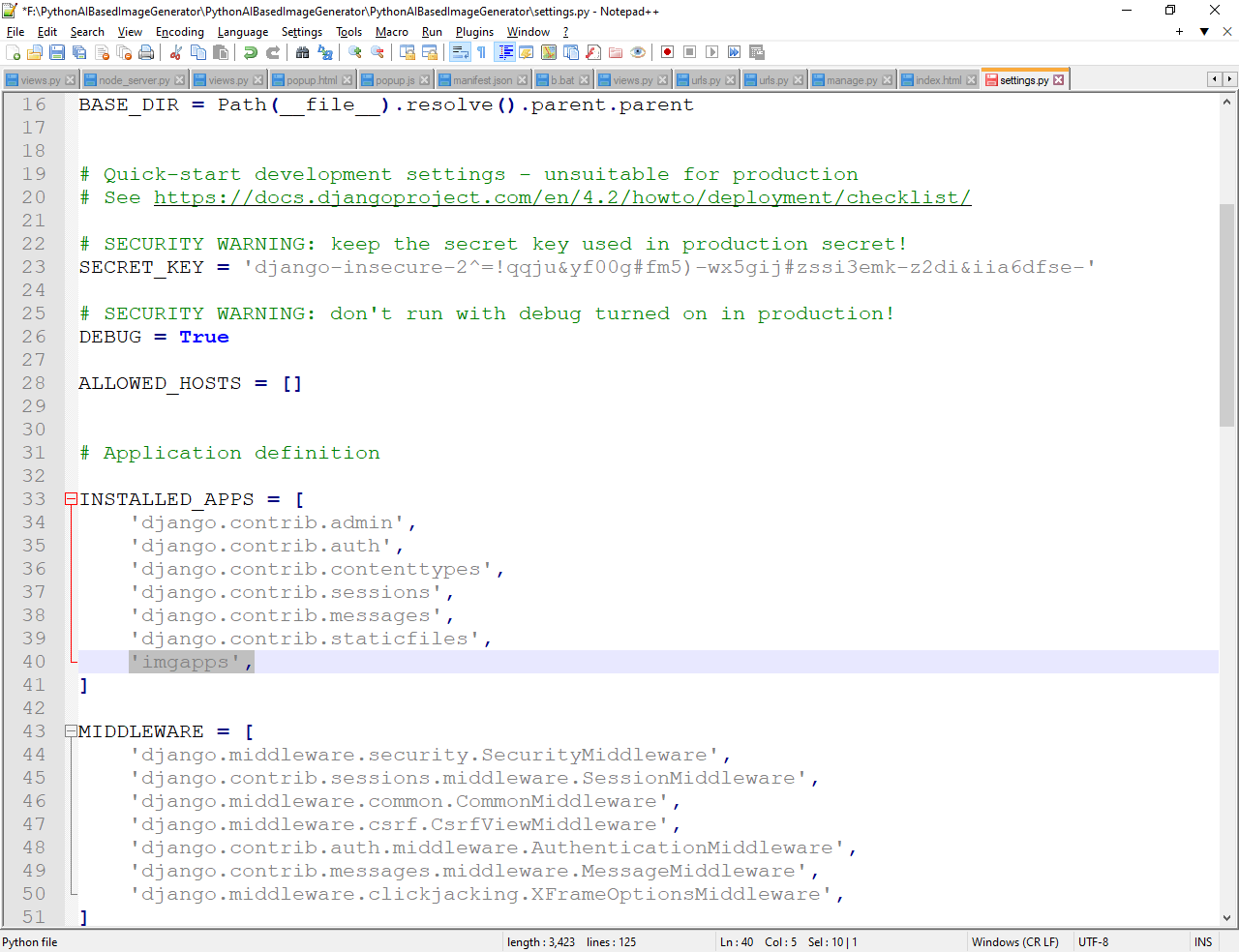
To be able to work with more complicated stuff than "Hello World!", We have to tell Django that a new app is created.

This is done in the settings.py file in the F:\PythonAIBasedImageGenerator\PythonAIBasedImageGenerator\PythonAIBasedImageGenerator folder.

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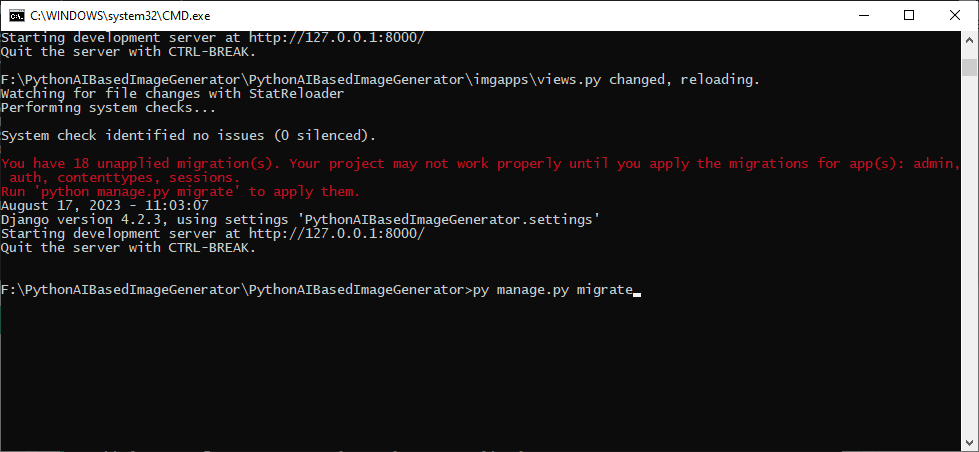
Look up the INSTALLED\_APPS[] list and add the imgapps app like this:

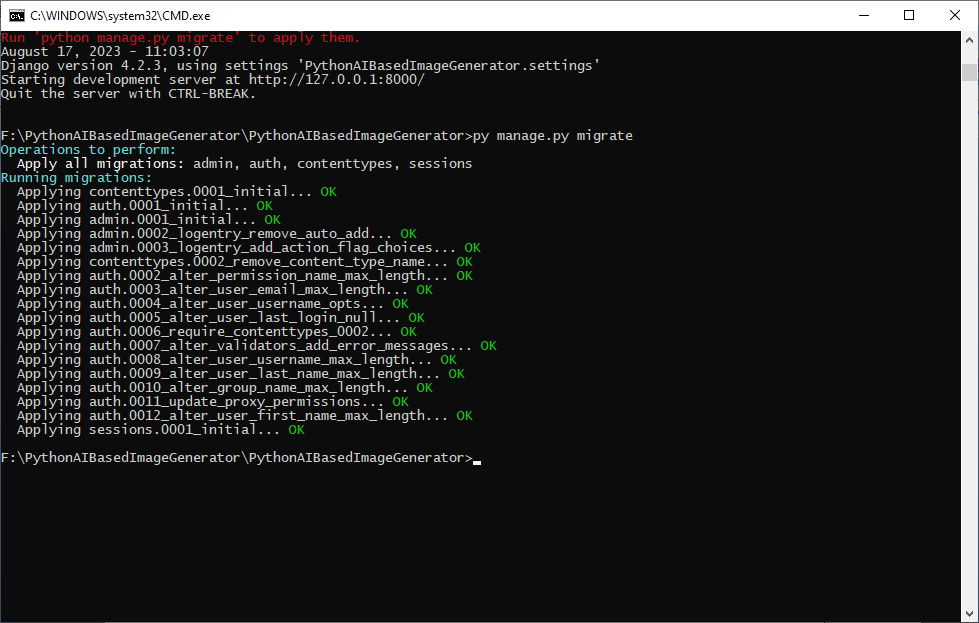
In settings.py file

****

Then give the command

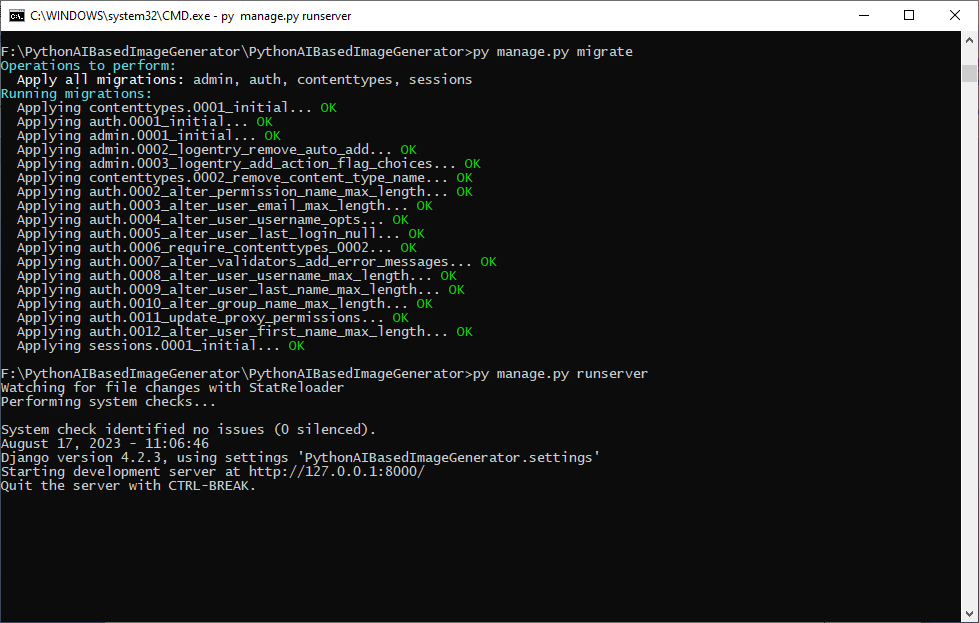
F:\PythonAIBasedImageGenerator\PythonAIBasedImageGenerator/>py manage.py migrate





Start the server by

F:\PythonAIBasedImageGenerator\PythonAIBasedImageGenerator/>py manage.py runserver



In the browse, enter: 127.0.0.1:8000/members

