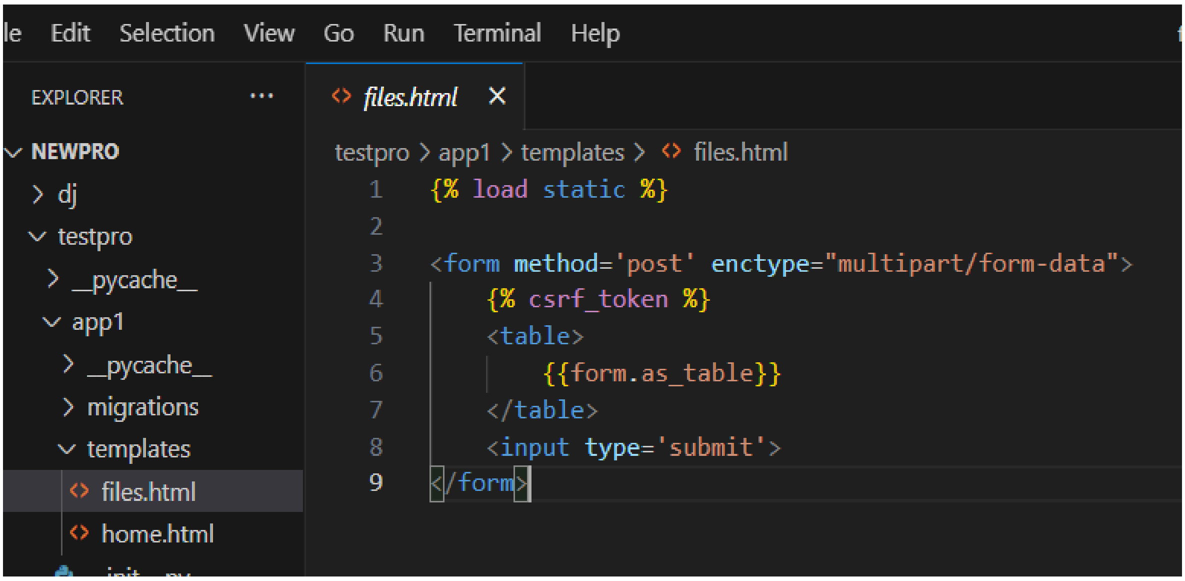
DJANGO IMAGE AND FILE UPLOAD:

Step-1:

Create a file.html page and create a form there with

- Method==post
- Enctype=multipart/form-data
- Csrftoken
- Then how to show the built in form(as table or as UL or as OL etc.)
- Then input method type = submit

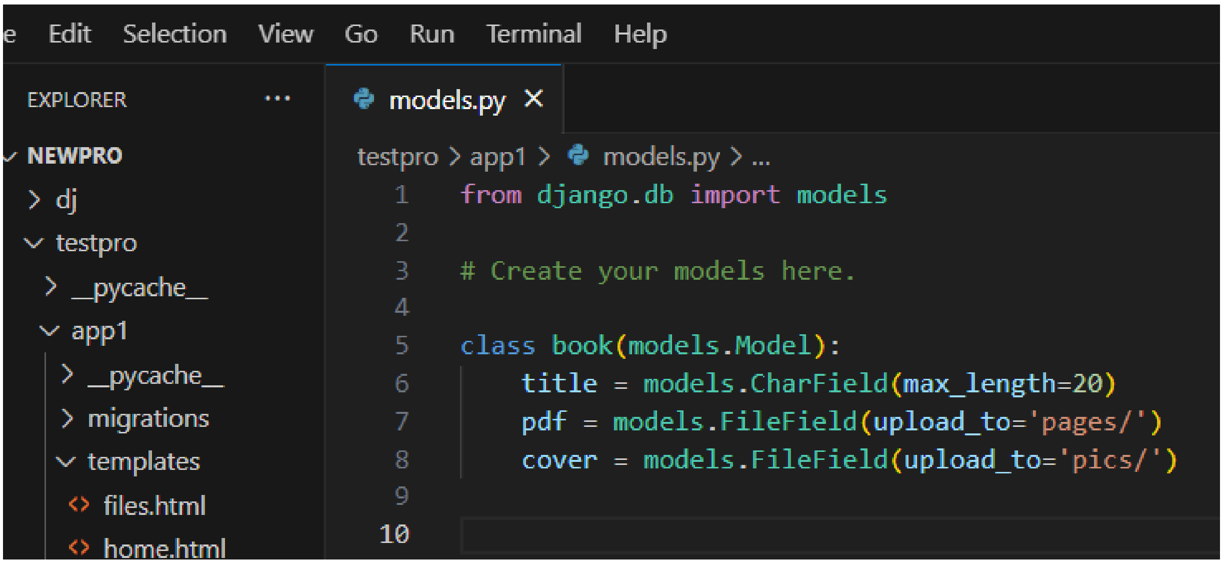


```
{% load static %}

<form method='post' enctype="multipart/form-data">
    {% csrf_token %}
    <table>
        {{form.as_table}}
    </table>
    <input type='submit'>
</form>
```

Step-2:

then create a table in models.py

- Pdf field for upload pdf files=path set to pages folder
- Cover field for uploading images=path set to pics folder

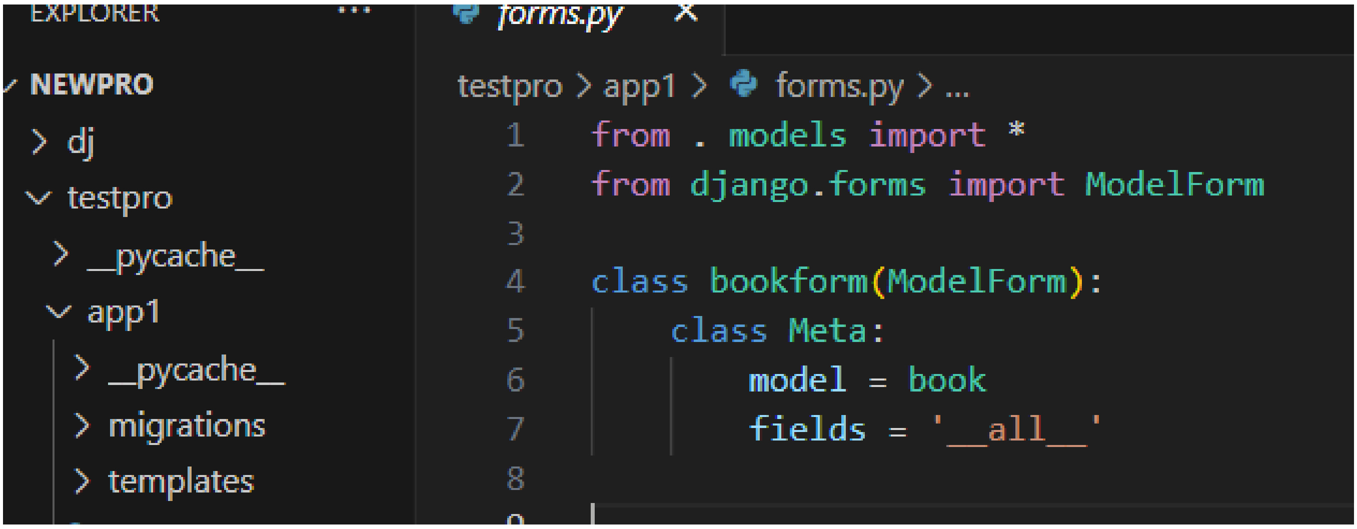


```
from django.db import models

# Create your models here.

class book(models.Model):
    title = models.CharField(max_length=20)
    pdf = models.FileField(upload_to='pages/')
    cover = models.FileField(upload_to='pics/')

```

Step-3:

then create a forms.py file in app folder

- Import all tables from models
- Import model form from Django forms
- Create a new form which inherit from model form
- Create a meta class
- Model = our table name in models.py file
- Add all fields to fields variable

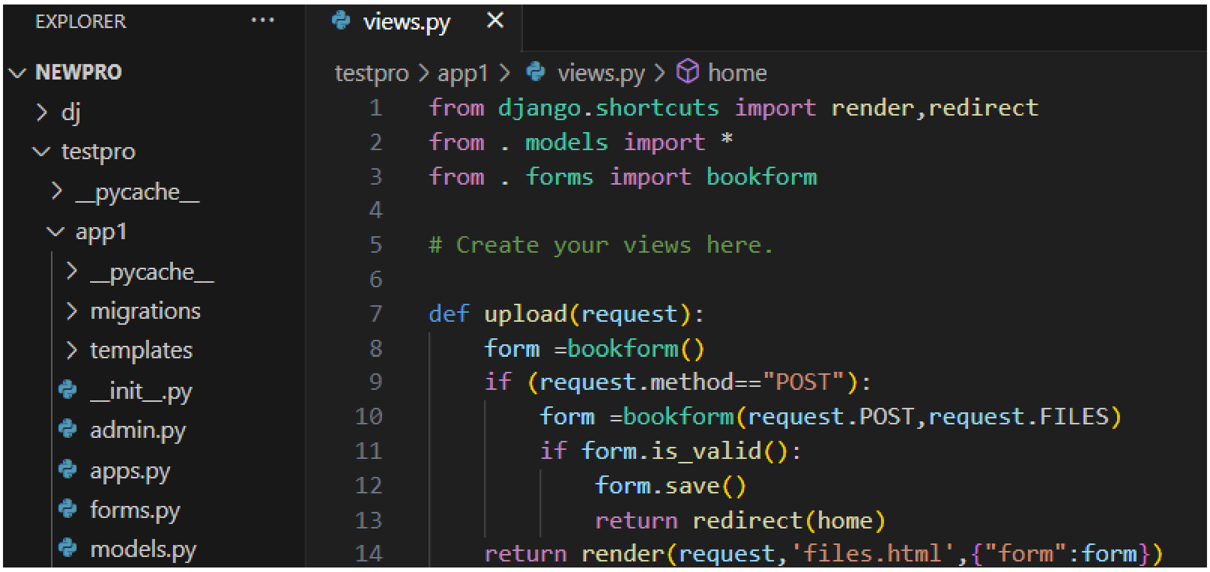


```python
from . models import *
from django.forms import ModelForm

class bookform(ModelForm):
    class Meta:
        model = book
        fields = '__all__'

```

Step-4:

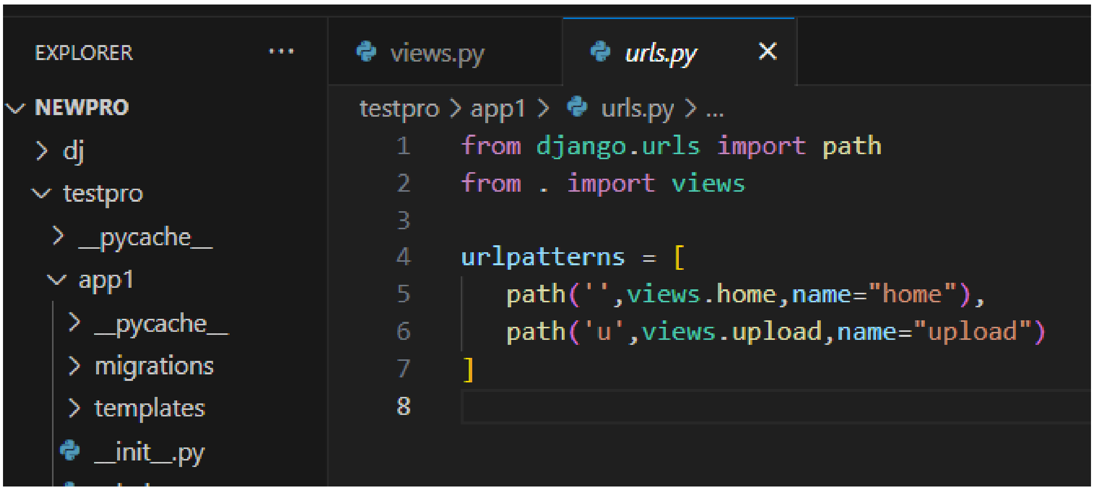
then create a view function to get the file and images in **views.py**

- Import models here
- Import our form from forms.py
- Create a upload function
- Assign form = created form in forms.py
- Check condition method is post
- Assign again: our created form(post method,get that files)
- If our form Is valid then save it and go to homepage
- Pass form variable as dictionary in render function **{"form": form }**



```python
from django.shortcuts import render,redirect
from . models import *
from . forms import bookform

# Create your views here.

def upload(request):
    form =bookform()
    if (request.method=="POST"):
        form =bookform(request.POST,request.FILES)
        if form.is_valid():
            form.save()
            return redirect(home)
    return render(request,'files.html',{"form":form})
```

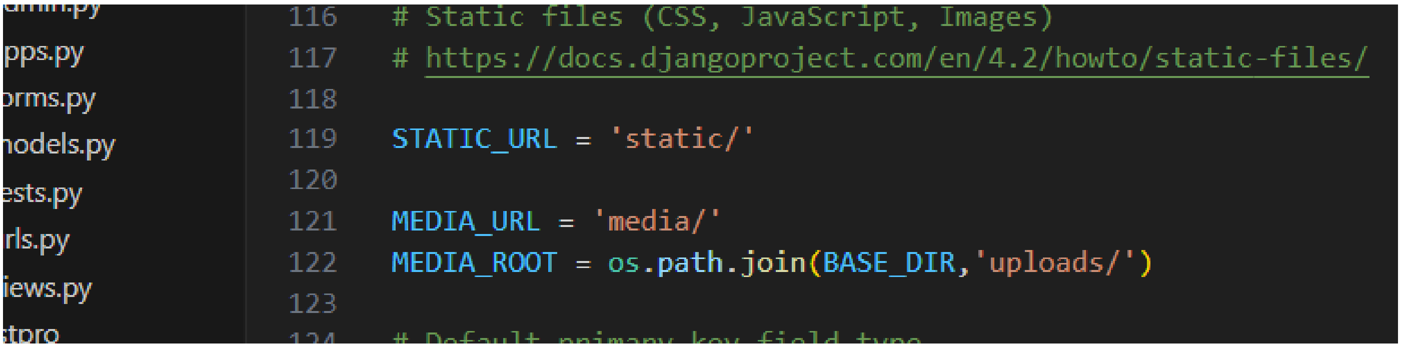
Add path for the view functions in urls.py file in app folder:



```
from django.urls import path
from . import views

urlpatterns = [
    path('',views.home,name="home"),
    path('u',views.upload,name="upload")
]

```

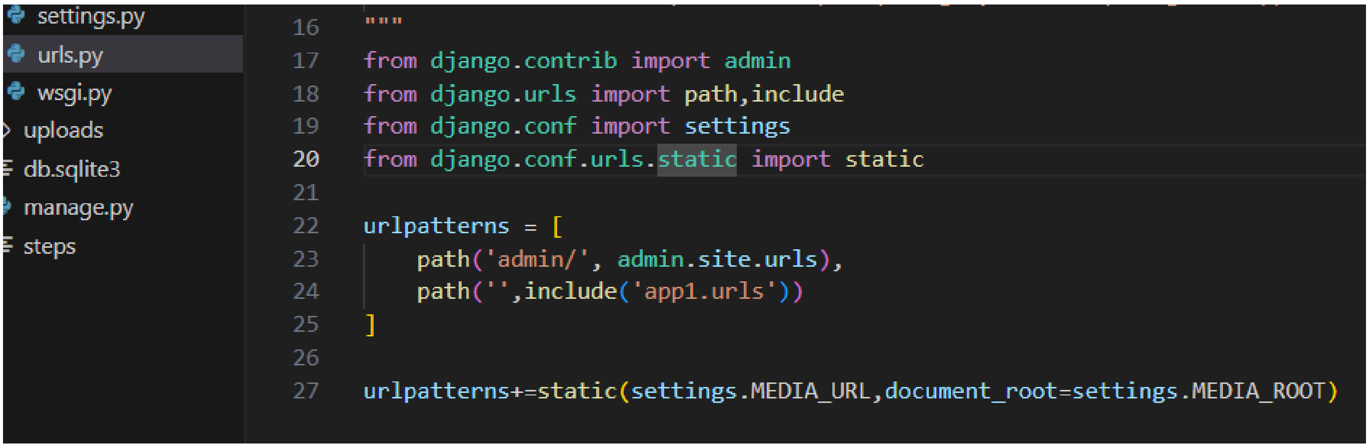
Step-5

Add media url path and root in **settings.py** file in project folder



```
# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/4.2/howto/static-files/

STATIC_URL = 'static/'

MEDIA_URL = 'media/'
MEDIA_ROOT = os.path.join(BASE_DIR,'uploads/')

# Default primary key field type
```

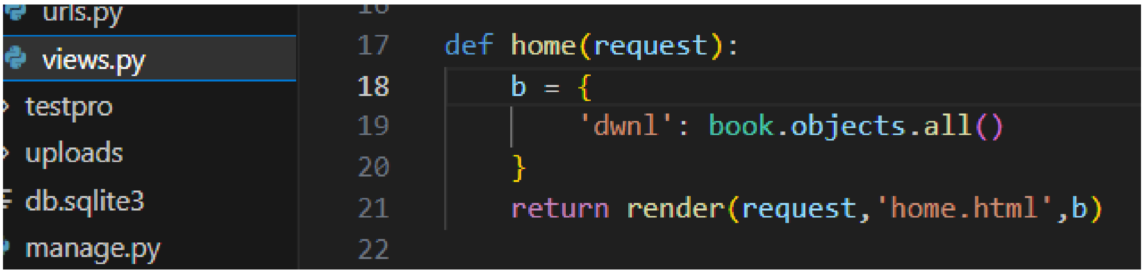
then add url in settings add path in **urls.py** file in project folder



```
"""
from django.contrib import admin
from django.urls import path,include
from django.conf import settings
from django.conf.urls.static import static

urlpatterns = [
    path('admin/', admin.site.urls),
    path('',include('app1.urls'))
]

urlpatterns+=static(settings.MEDIA_URL,document_root=settings.MEDIA_ROOT)
```

Step-6:

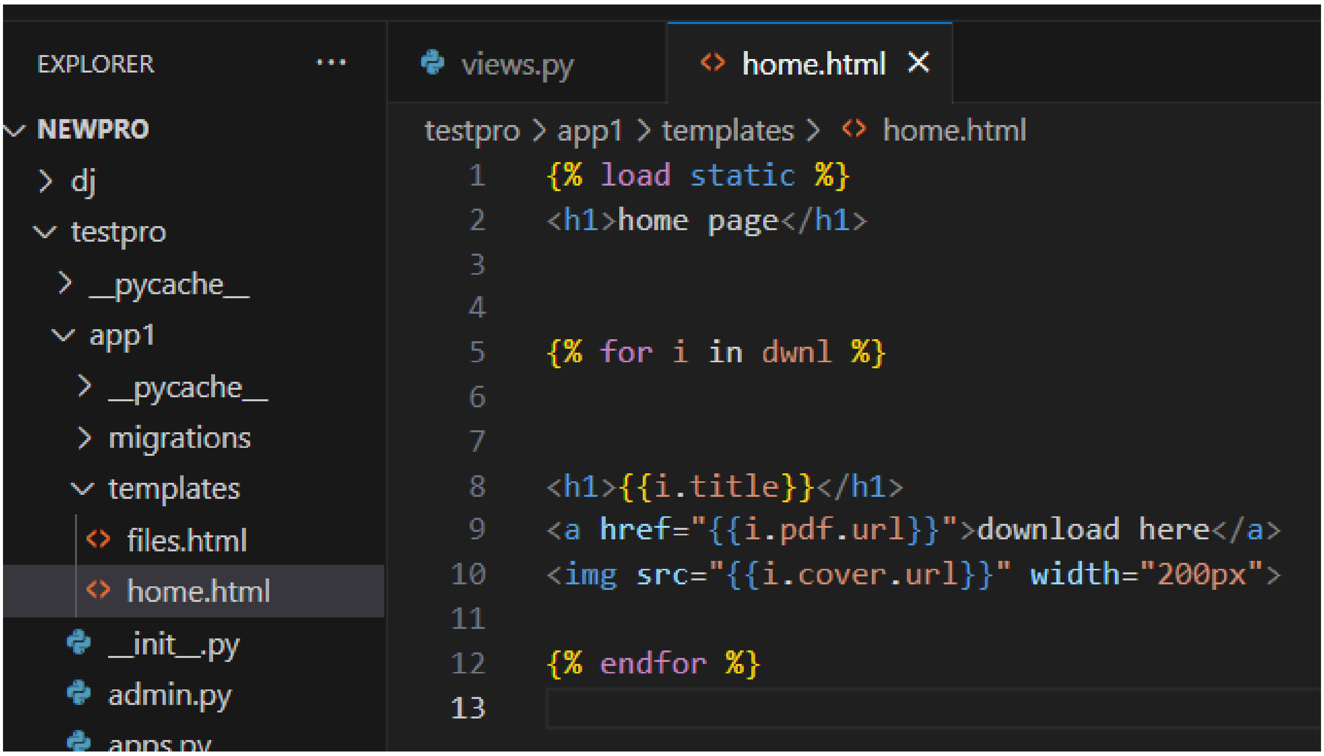
then create a dictionary for get the link of each file fields



```
def home(request):
    b = {
        'dwnl': book.objects.all()
    }
    return render(request,'home.html',b)

```

Step-7

fetch link of each files in new html page home.html



```
{% load static %}
<h1>home page</h1>


{% for i in dwnl %}


<h1>{{i.title}}</h1>
<a href="{{i.pdf.url}}">download here</a>
<img src="{{i.cover.url}}" width="200px">

{% endfor %}

```