

Date – 02/06/2021

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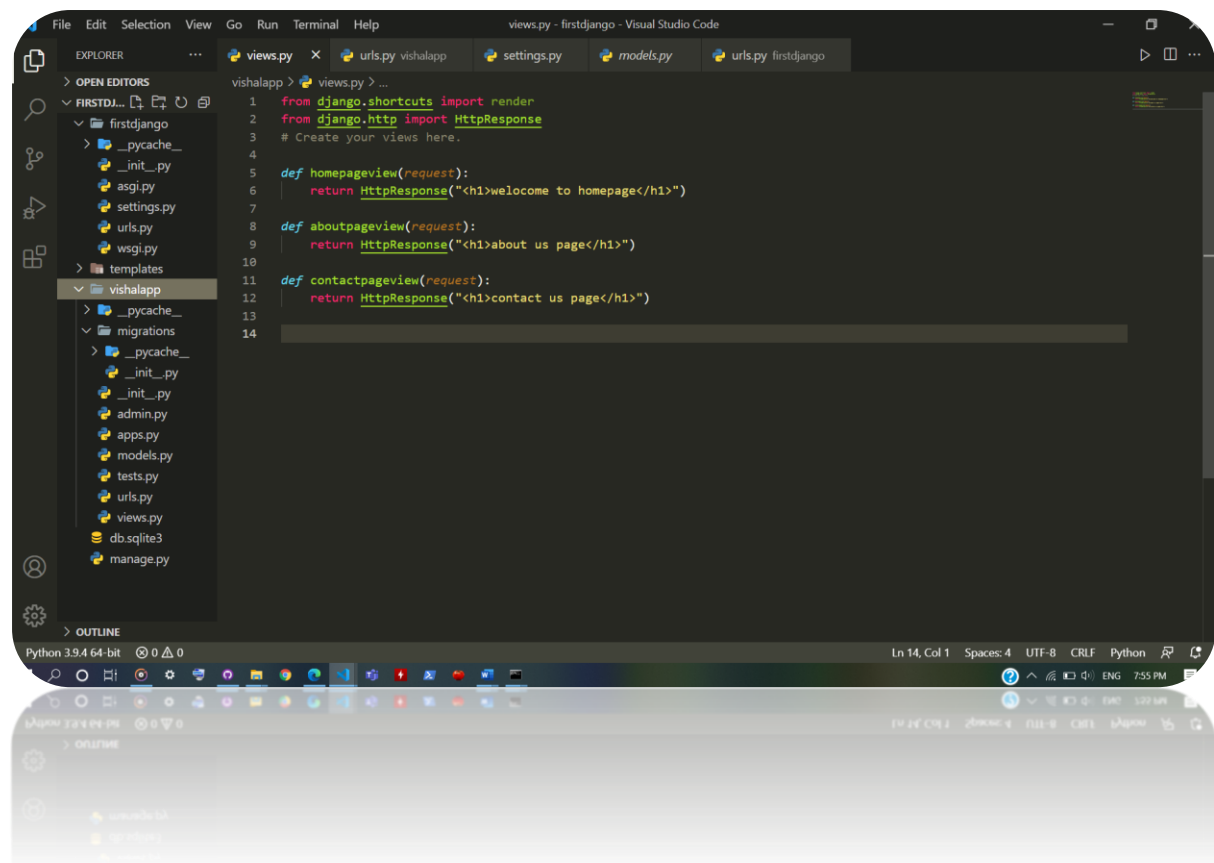
Sem -7th

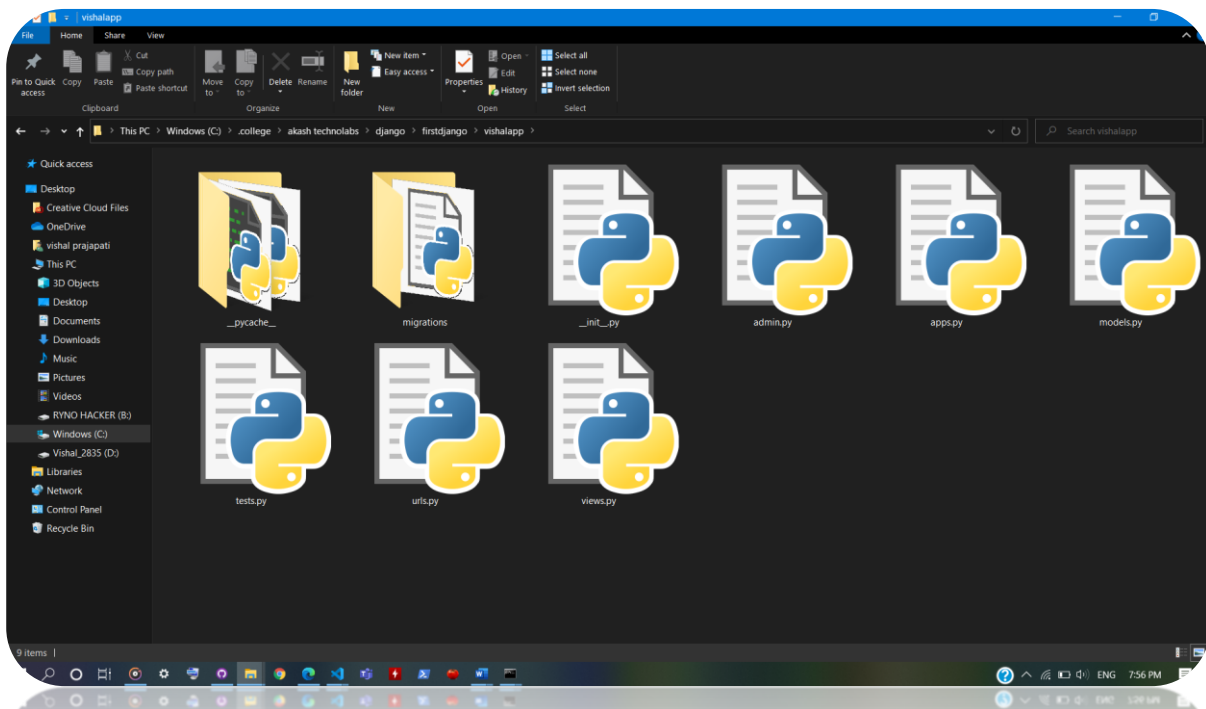
Task for Day 7:

Creating an app basic work on Django Project:

1. Create app

“python manage.py startapp myapp”






It's all one time process:-

1-Create New Project
2-Migrate Database
3-Create Application
4-View.py Create Function
5-Create urls.py file define URL for View
6-Register App in Setting.py
7-Add AppURL in to Project URL

One Time Process



Akash Padhiyar

AP

2 | Page

After creating an app we need to code in views.py

```
from django.shortcuts import render
from django.http import HttpResponse

def homepageview(ewquest):
    return HttpResponse("Welcome to Django Project")
```

Code of urls.py

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

urlpatterns = [
    path("", views.homepageview, name="home"),
]
```

Then in Project1 folder in urls.py**We need to define the path of our app****Project1 urls.py code**

```
from django.contrib import admin
from django.urls import path ,include

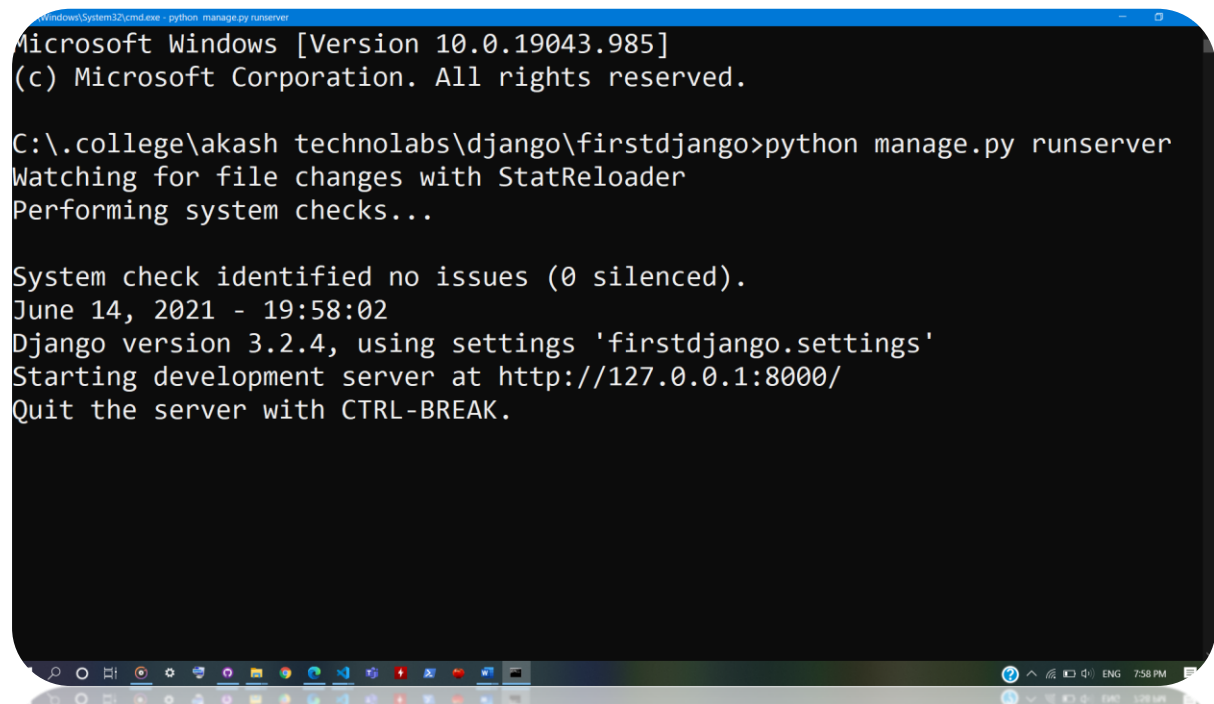
urlpatterns = [
    path('admin/', admin.site.urls),
    path("",include('myapp.urls')),]
```

Output:

Project is live –

By default it will run on the Port number 8000

http://127.0.0.1:8000/

A screenshot of a Windows command prompt window. The title bar reads "Windows\System32\cmd.exe - python manage.py runserver". The output text is as follows:

```
Microsoft Windows [Version 10.0.19043.985]
(c) Microsoft Corporation. All rights reserved.

C:\.college\akash technolabs\django\firstdjango>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
June 14, 2021 - 19:58:02
Django version 3.2.4, using settings 'firstdjango.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

The taskbar at the bottom shows various application icons and the system clock indicating 7:58 PM on June 14, 2021.

Now try by adding more Views in these Project

Views.py

```
from django.shortcuts import render
```

```
from django.http import HttpResponse
```

```
def homepageview(request):
```

```
    return HttpResponse("Welcome to homepage")
```

```
def aboutpageview(request):
```

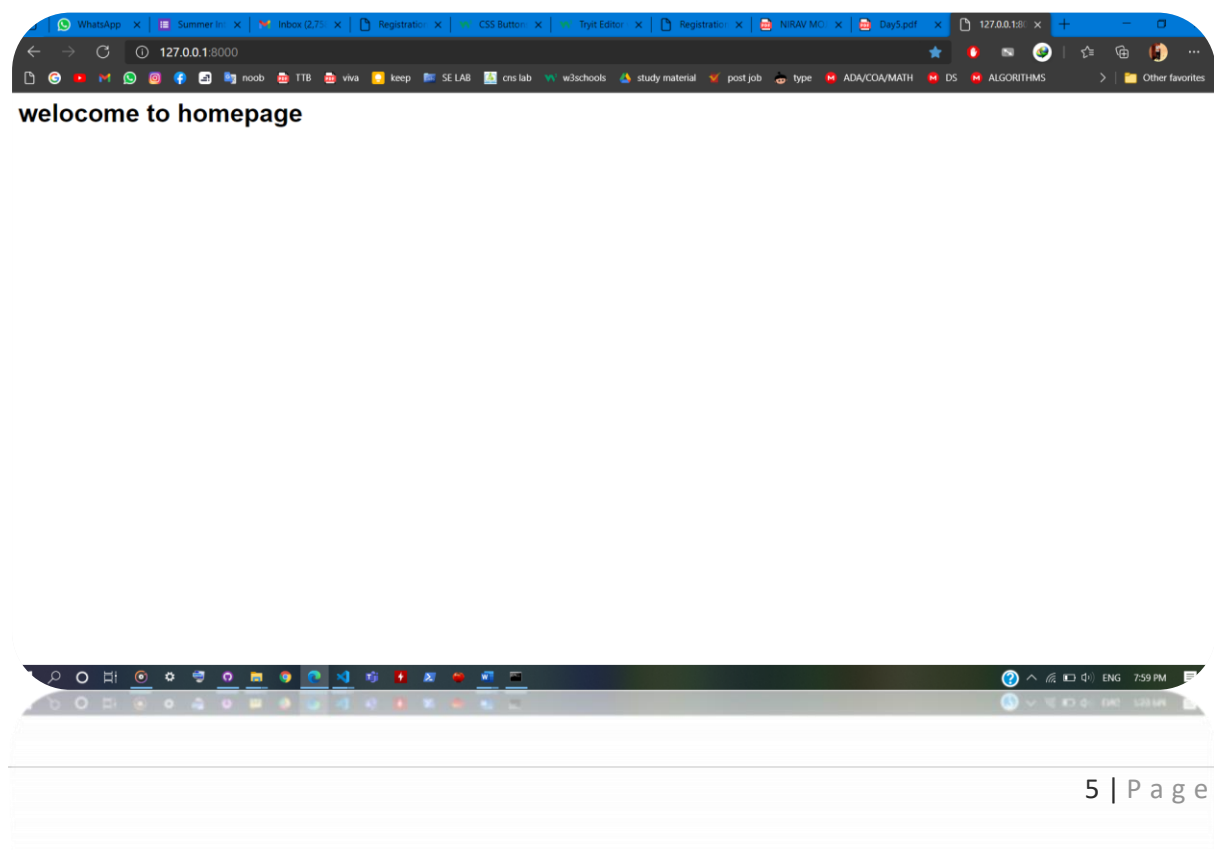
```
    return HttpResponse("About us Page")
```

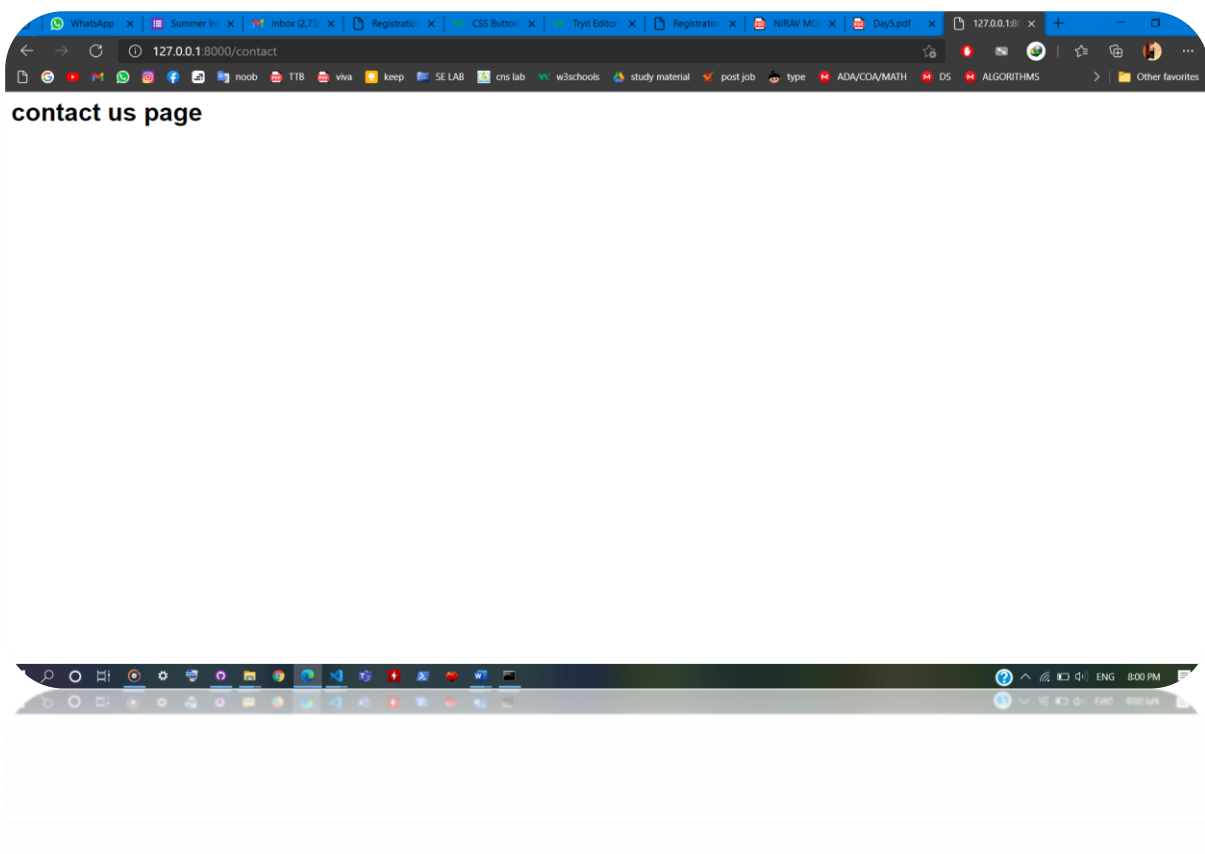
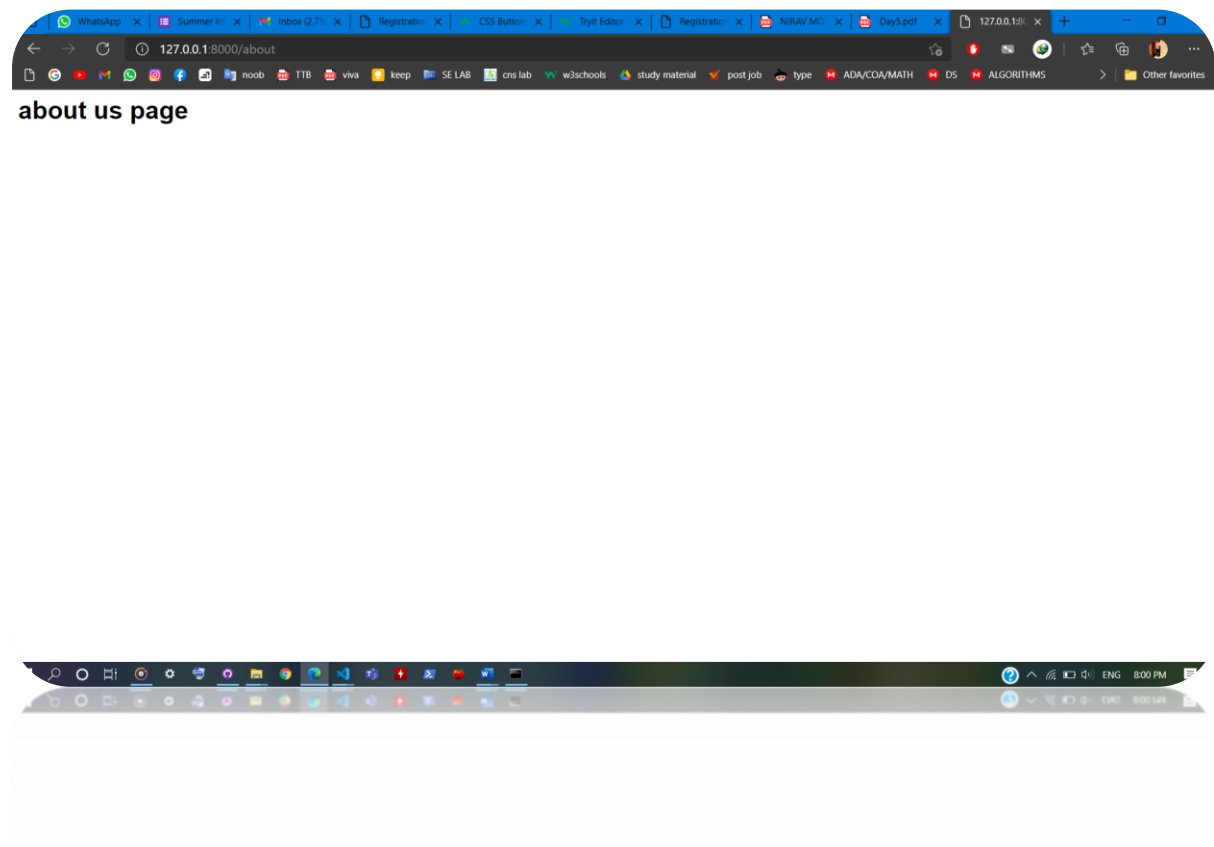
```
def contactpageview(request):  
    return HttpResponse("Contact us Page")
```

Urls.py

```
from django.urls import path  
from . import views  
  
urlpatterns = [  
    path("", views.homepageview, name="home"),  
    path('about', views.aboutpageview, name="about"),  
    path('contact', views.contactpageview, name="contact"),  
]
```

Output: -





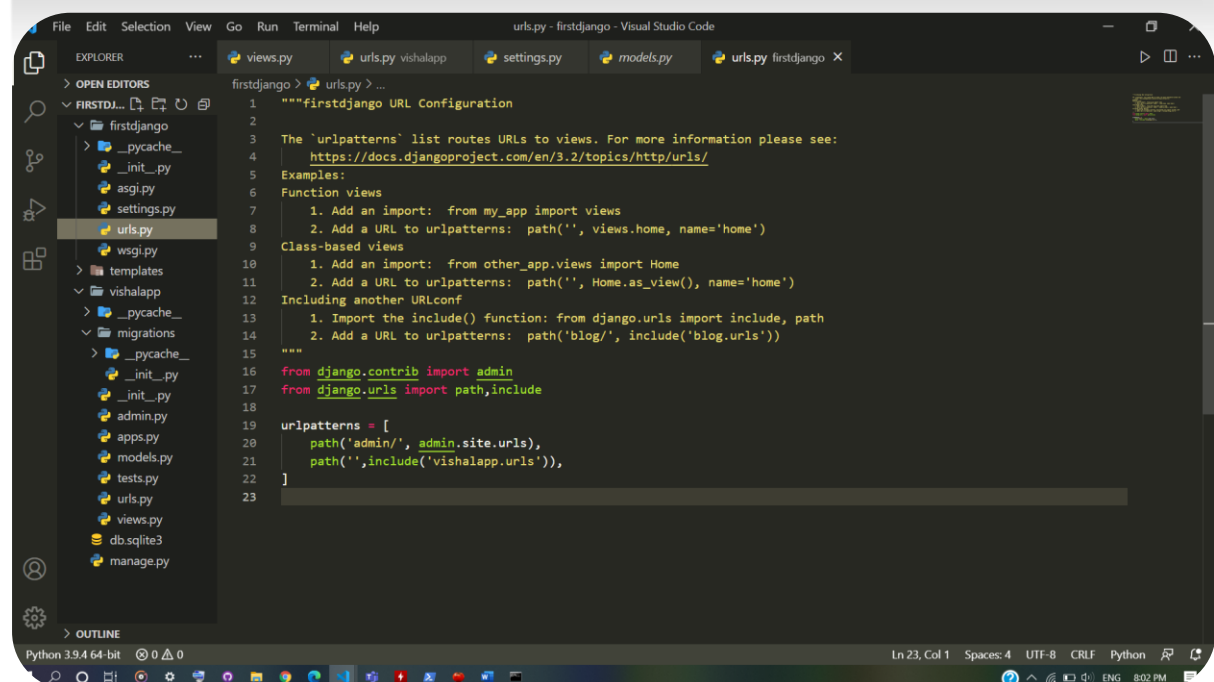
For creating a super user

Use command – python manage.py createsuperuser

```
Performing system checks...

System check identified no issues (0 silenced).
June 14, 2021 - 19:58:02
Django version 3.2.4, using settings 'firstdjango.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[14/Jun/2021 19:59:41] "GET / HTTP/1.1" 200 29
[14/Jun/2021 19:59:58] "GET /about HTTP/1.1" 200 22
[14/Jun/2021 20:00:10] "GET /contact HTTP/1.1" 200 24

C:\.college\akash technolabs\django\firstdjango>python manage.py createsuperuser
Username (leave blank to use 'visha'): vishal
Error: That username is already taken.
Username (leave blank to use 'visha'):
```



The screenshot shows the Visual Studio Code interface with the Django project 'firstdjango' open. The Explorer panel on the left shows the project structure, including files like _pycache_, _init_.py, asgi.py, settings.py, urls.py, wsgi.py, templates, vishalapp, migrations, _pycache_, _init_.py, admin.py, apps.py, models.py, tests.py, urls.py, views.py, db.sqlite3, and manage.py. The main editor shows the contents of the urls.py file, which includes comments about URL configuration, examples of function and class-based views, and the actual urlpatterns list. The urlpatterns list includes paths for the admin site and the vishalapp.

```
1 """firstdjango URL Configuration
2
3 The 'urlpatterns' list routes URLs to views. For more information please see:
4     https://docs.djangoproject.com/en/3.2/topics/http/urls/
5 Examples:
6 Function views
7     1. Add an import: from my_app import views
8     2. Add a URL to urlpatterns: path('', views.home, name='home')
9 Class-based views
10    1. Add an import: from other_app.views import Home
11    2. Add a URL to urlpatterns: path('', Home.as_view(), name='home')
12 Including another URLconf
13    1. Import the include() function: from django.urls import include, path
14    2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))
15
16 from django.contrib import admin
17 from django.urls import path, include
18
19 urlpatterns = [
20     path('admin/', admin.site.urls),
21     path('', include('vishalapp.urls')),
22 ]
23
```

Opening an admin panel in Browser: -

