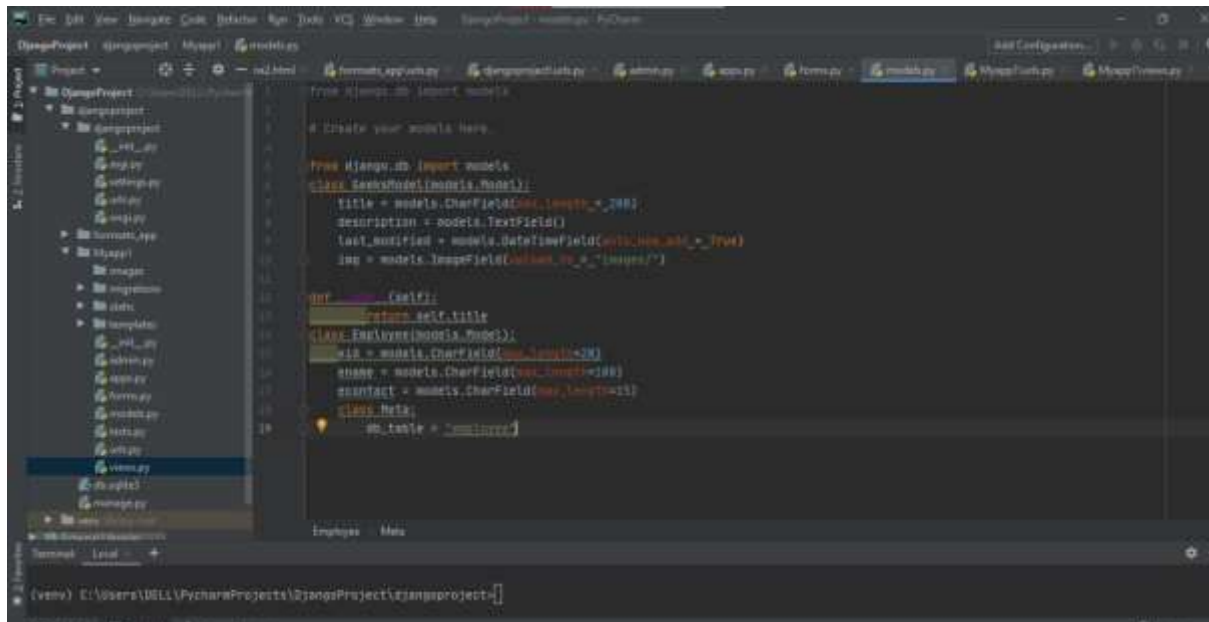


PFSD SKILL-7

Model.py



```
from django.db import models

# Create your models here.

from django.db import models

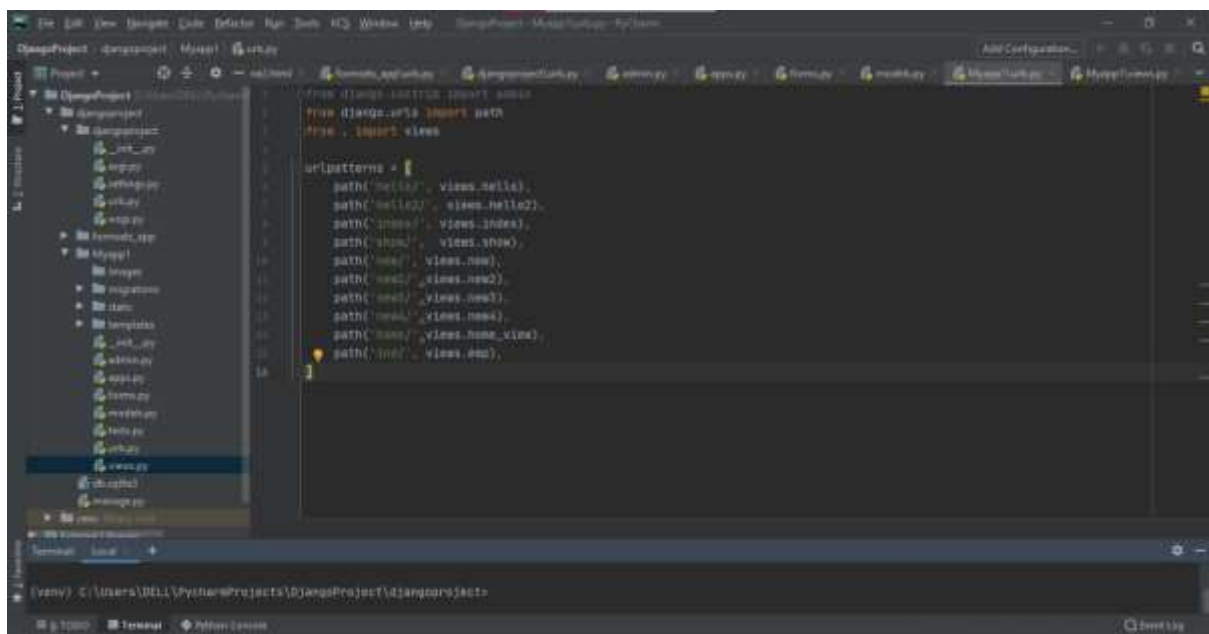
class SensorsModel(models.Model):
    title = models.CharField(max_length=200)
    description = models.TextField()
    last_modified = models.DateTimeField(auto_now_add=True)
    img = models.ImageField(upload_to="images/")

    def __str__(self):
        return self.title

class Employee(models.Model):
    emp = models.CharField(max_length=20)
    name = models.CharField(max_length=100)
    contact = models.CharField(max_length=11)

    class Meta:
        db_table = "employees"
```

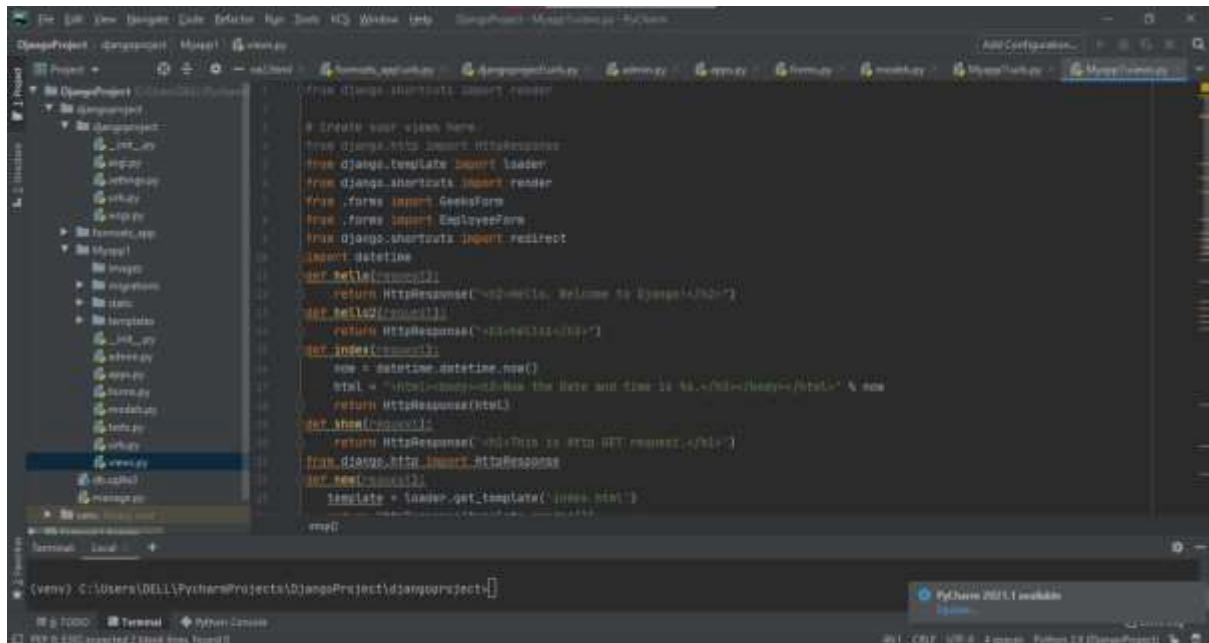
Myapp/urls.py



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

urlpatterns = [
    path('hello/', views.hello),
    path('hello2/', views.hello2),
    path('index/', views.index),
    path('show/', views.show),
    path('new/', views.new),
    path('new2/', views.new2),
    path('new3/', views.new3),
    path('new4/', views.new4),
    path('home/', views.home_view),
    path('info/', views.info),
]
```

Myapp/views.py



```
from django.shortcuts import render
# Create your views here.
from django.http import HttpResponse
from django.template import loader
from django.shortcuts import render
from .forms import GeekForm
from .forms import EmployeeForm
from django.shortcuts import redirect
import datetime

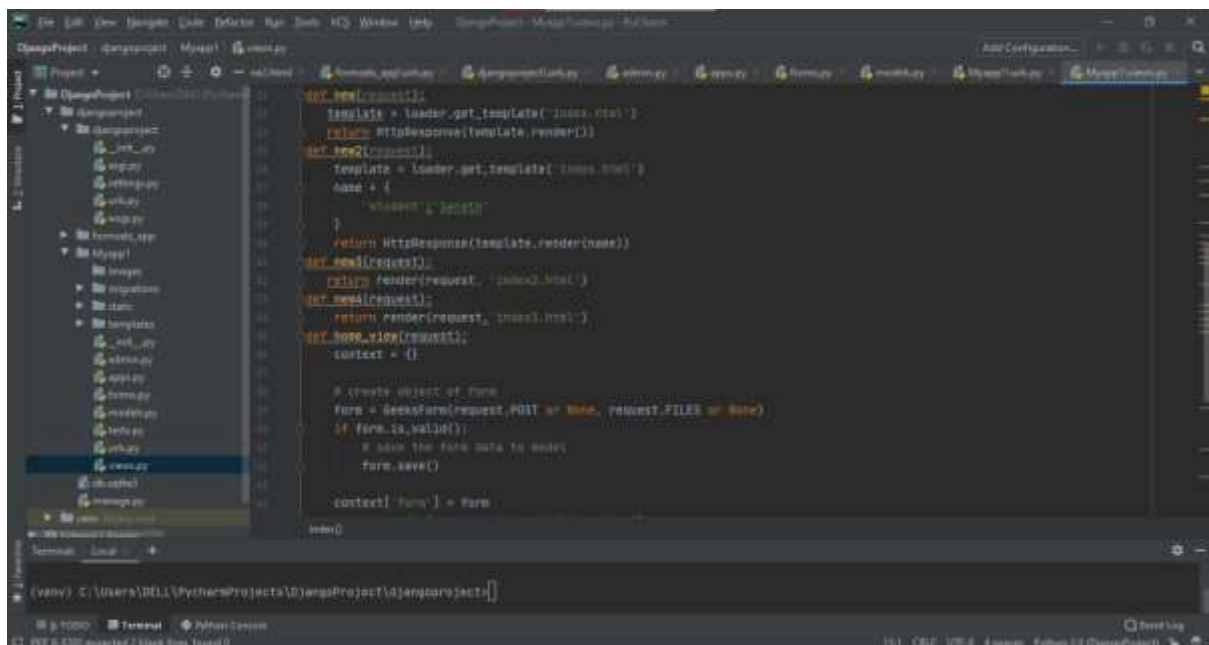
def hello(request):
    return HttpResponse("Hi-Hello, Welcome to Django/100")

def hello2(request):
    return HttpResponse("Hi-Hello2/100")

def index(request):
    now = datetime.datetime.now()
    html = "<html><body><div>Now the Date and time is %s.</div></body></html>" % now
    return HttpResponse(html)

def whoa(request):
    return HttpResponse("<div>This is GET request.</div>")

from django.http import HttpResponseRedirect
def whoa2(request):
    template = loader.get_template('index.html')
    render()
```



```
def hello(request):
    template = loader.get_template('index.html')
    return HttpResponse(template.render())

def hello2(request):
    template = loader.get_template('index.html')
    name = {
        'NAME': '100000'
    }
    return HttpResponse(template.render(name))

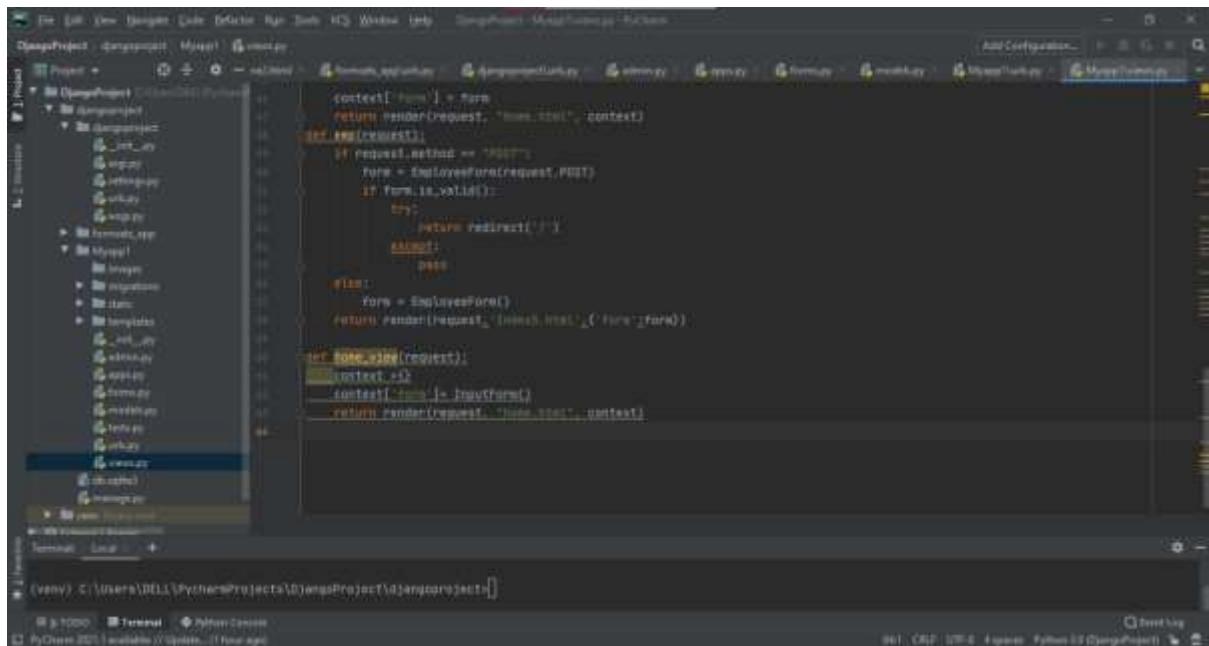
def whoa(request):
    return render(request, 'index2.html')

def whoa2(request):
    return render(request, 'index.html')

def home_view(request):
    context = {}

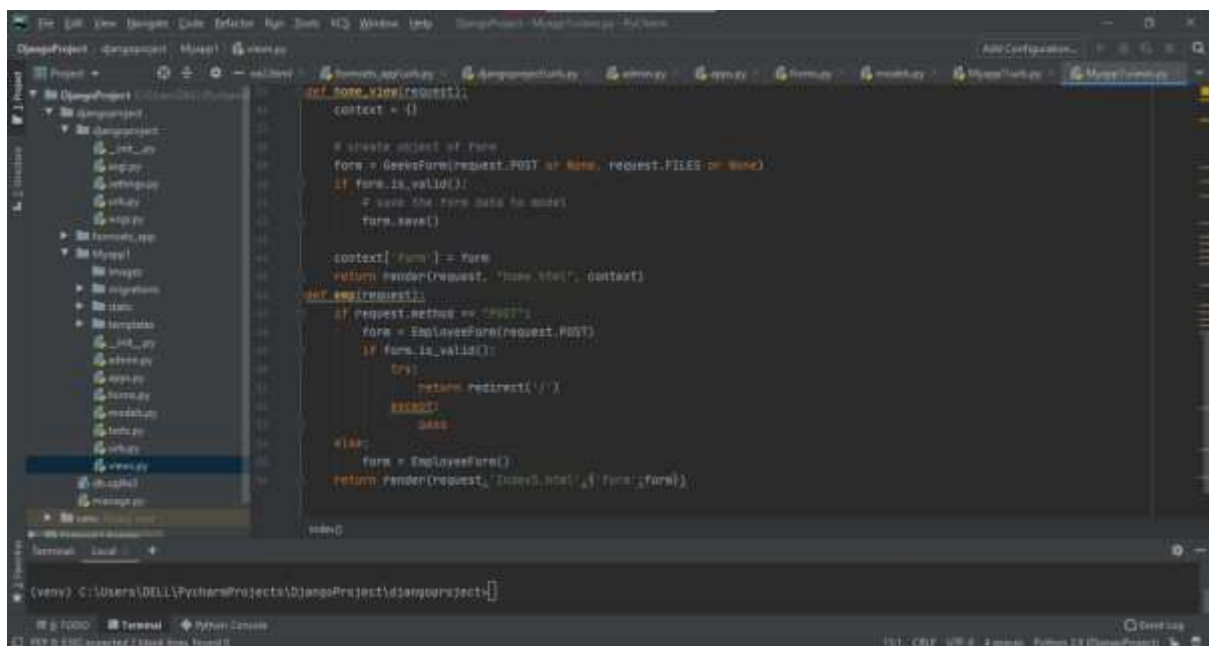
    # create object of form
    form = GeekForm(request.POST or None, request.FILES or None)
    if form.is_valid():
        # save the form data to model
        form.save()

    context['form'] = form
    render()
```



```
16 context['form'] = form
17 return render(request, "home.html", context)
18
19 def emp(request):
20     if request.method == "POST":
21         form = EmployeeForm(request.POST)
22         if form.is_valid():
23             try:
24                 return redirect('/')
25             except:
26                 pass
27
28     form = EmployeeForm()
29     return render(request, "home.html", {'form': form})
30
31 def home_page(request):
32     context = {}
33     context['form'] = EmployeeForm()
34     return render(request, "home.html", context)
```

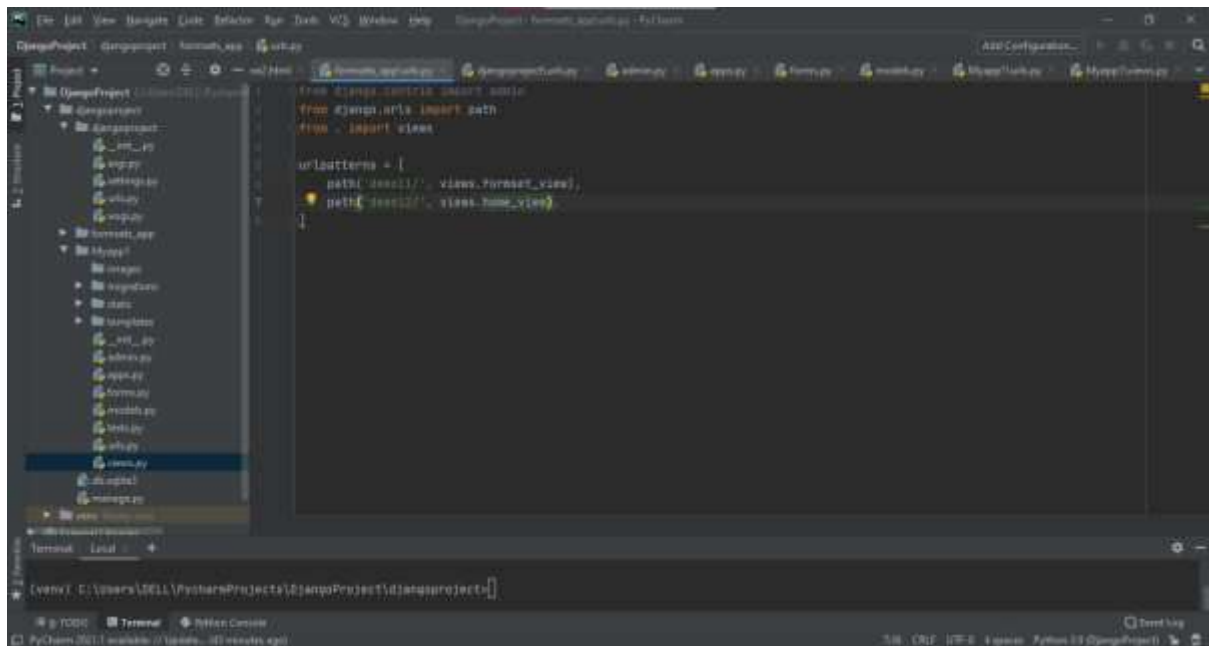
(view) C:\Users\DELL\PycharmProjects\DjangoProject\django\projects\



```
16 def home_page(request):
17     context = {}
18
19     # create object of form
20     form = EmployeeForm(request.POST or None, request.FILES or None)
21     if form.is_valid():
22         # save the form data to model
23         form.save()
24
25     context['form'] = form
26     return render(request, "home.html", context)
27
28 def emp(request):
29     if request.method == "POST":
30         form = EmployeeForm(request.POST)
31         if form.is_valid():
32             try:
33                 return redirect('/')
34             except:
35                 pass
36
37     form = EmployeeForm()
38     return render(request, "home.html", {'form': form})
```

(view) C:\Users\DELL\PycharmProjects\DjangoProject\django\projects\

Urls.py



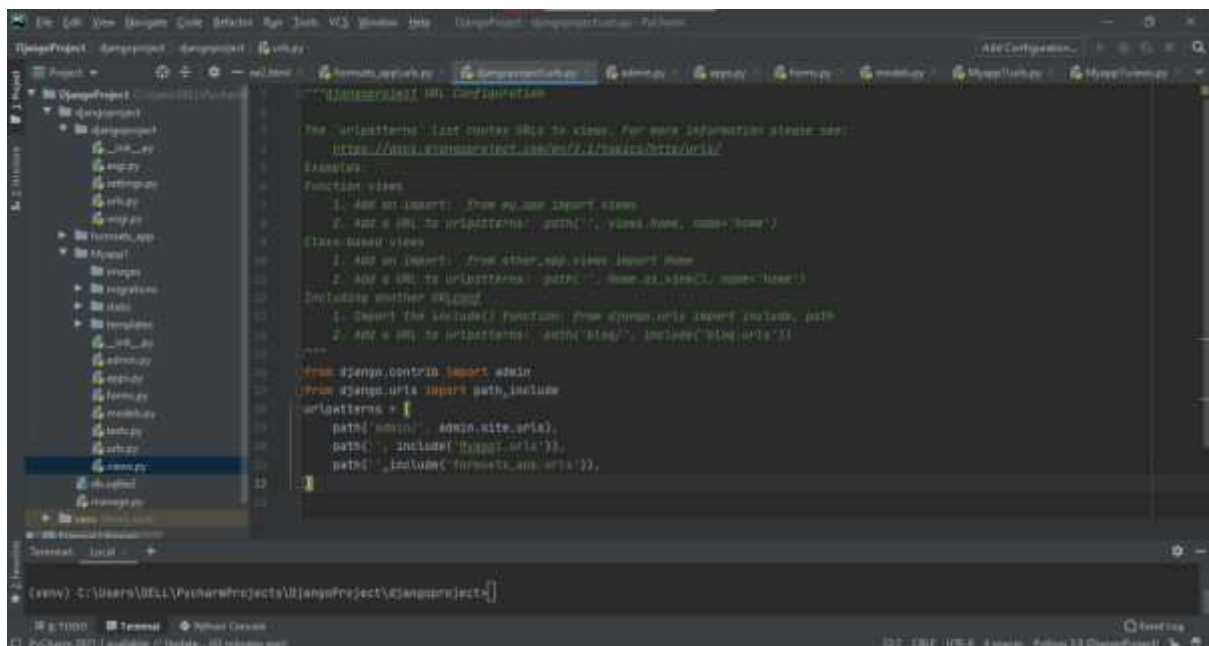
The screenshot shows the PyCharm IDE with the DjangoProject.urls.py file open. The file contains the following code:

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

urlpatterns = [
    path('admin/', views.admin_view),
    path('index/', views.home_view),
]
```

The terminal at the bottom shows the command: `(venv) C:\Users\DELL\PycharmProjects\DjangoProject\djangoproject>`

Djangoproject/urls.py



The screenshot shows the PyCharm IDE with the djangoproject/urls.py file open. The file contains the following code:

```
"""DjangoProject URL Configuration"""

The 'urlpatterns' list maps URLs to views. For more information please see:
https://docs.djangoproject.com/en/1.11/topics/http/urls/

Examples:
function views
1. Add an import: from my_app import views
2. Add a URL to urlpatterns: path('', views.home, name='home')
(Then add the views)
class-based views
1. Add an import: from other_app.views import Home
2. Add a URL to urlpatterns: path('', Home.as_view(), name='home')
(Then add the Home class)

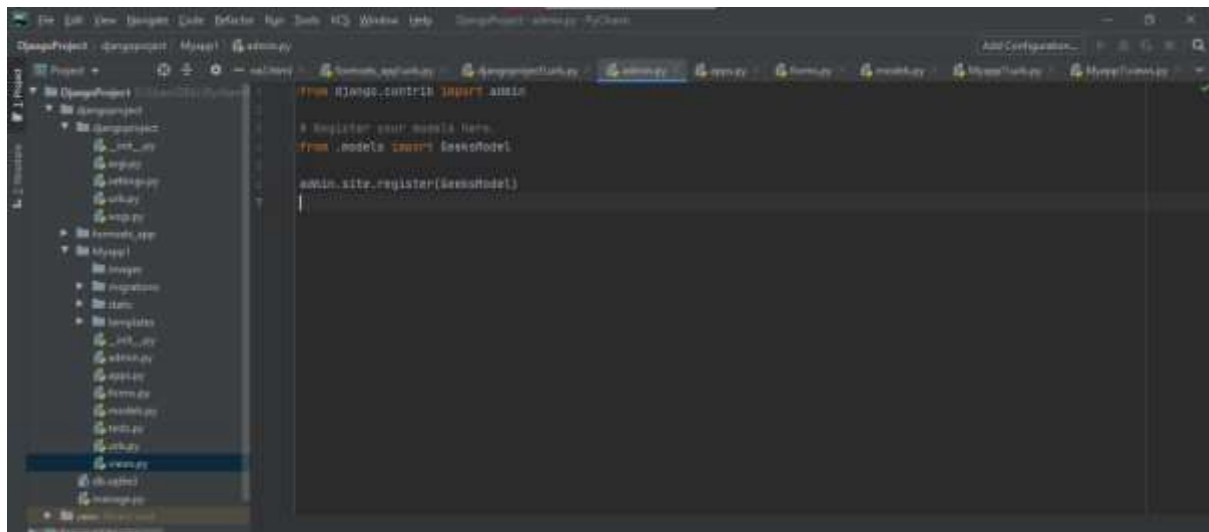
Including another URLconf
1. Import the include() function: from django.urls import include, path
2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))

"""
from django.conf.urls import url
from django.urls import path, include

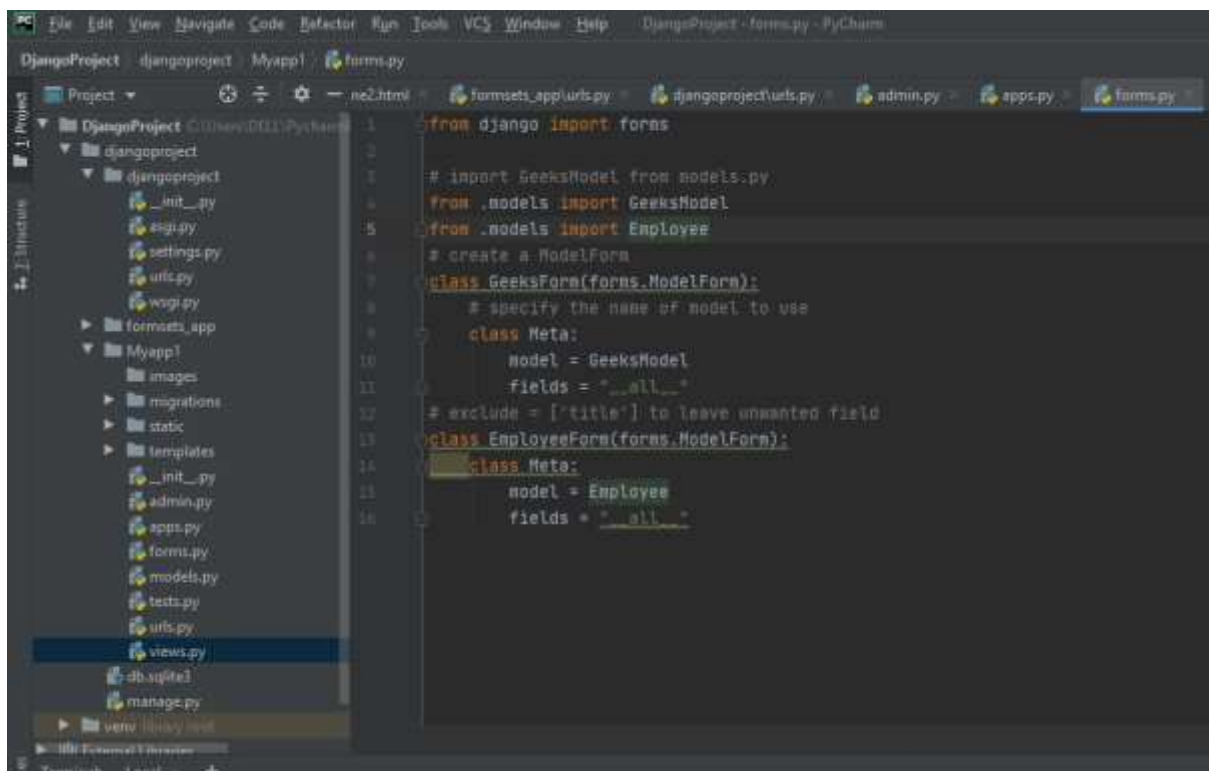
urlpatterns = [
    path('admin/', admin.site.urls),
    path('', include('djangoproject.urls')),
    path('', include('django.contrib.admin.urls')),
]
```

The terminal at the bottom shows the command: `(venv) C:\Users\DELL\PycharmProjects\DjangoProject\djangoproject>`

Admin.py



Forms.py



Outputs:-

