Django Project

E-Classroom

Tools: -

1) Virtual Studio
2) Xampp and Command Prompt.

Code:

1) Python
2) HTML
3) MySQL

Steps to create E-classroom Project: -

Step 1: - Install Virtual Studio.

Step 2: - Create a folder in C-drive.

Step 3: - Go to terminal and use command Prompt.

Step 4: - Install once virtual environment if you are doing project for the first time.

Syntax: -

pip install virtualenv

Step 5: - Create virtual environment.

Syntax:

Virtualenv environmentname

In my Project i.e.

Virtualenv env

Step 6: - Activate Virtual Environment.

Syntax: -

env\Scripts\activate

Deactivate Virtual Environment

Syntax: -

env\Scripts\deactivate

Step 7: - Install Django in virtual Environment.

Syntax: -

pip install Django

Step 8: - Create Django Project

Syntax: -

django-admin startproject projectname

In my Project, i.e.

django-admin startproject learningProject

Step 9: - Create Application.

Syntax: -

python manage.py startapp appname

In my Project, i.e.

python manage.py startapp learningapp

Step 10: - Running Server.

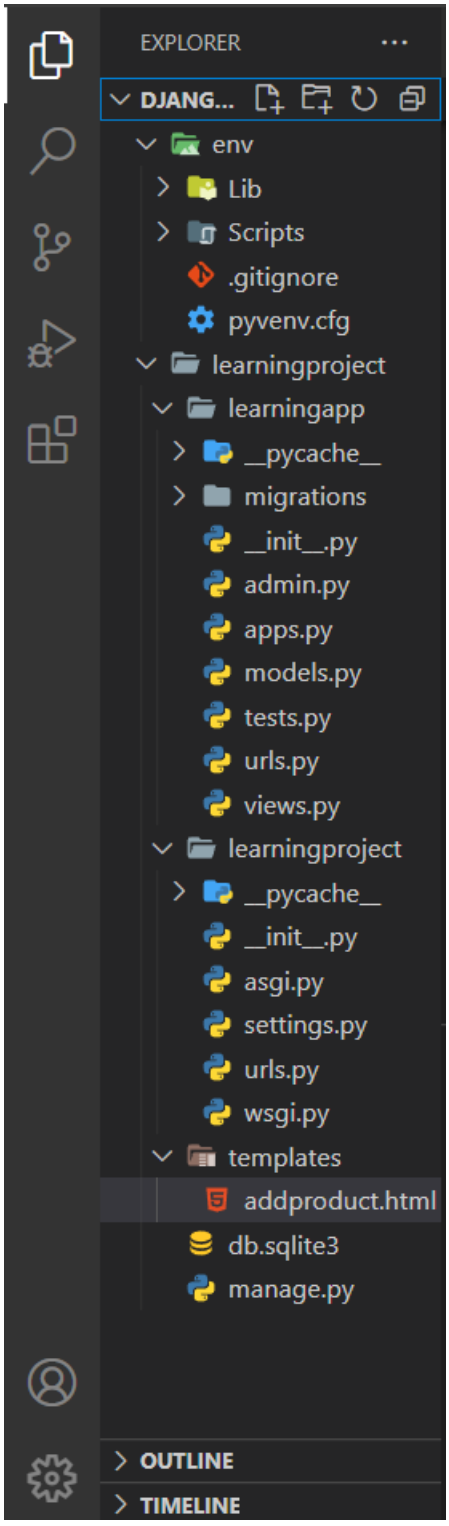
Syntax: -

python manage.py runserver

To stop server.

Ctrl + C

- **File Content: -**


EXPLORER
DJANG...
env
Lib
Scripts
.gitignore
pyvenv.cfg
learningproject
learningapp
__pycache__
migrations
__init__.py
admin.py
apps.py
models.py
tests.py
urls.py
views.py
learningproject
__pycache__
__init__.py
asgi.py
settings.py
urls.py
wsgi.py
templates
addproduct.html
db.sqlite3
manage.py
OUTLINE
TIMELINE

Step 11: -

1) Create urls.py file in application folder.
2) Register urls.py file from application folder into urls.py file in project folder. So that Django server recognised all urls define in urls.py file in application folder.

```python
from django.contrib import admin
from django.urls import path,include
from learningapp import views

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

```

Step 12: -

1) Create templates folder in project folder.
2) Go to settings.py in project folder to make some changes.
3) Write import os on line no.14

```python
from pathlib import Path
import os

# Build paths inside the project like this: BASE_DIR / 'subdir'.
BASE_DIR = Path(__file__).resolve().parent.parent
```

4) Write application name in INSTALLED_APP on line no.41.

```python
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'learningapp'
]
```

5) Add one code on line no.59.

   os.path.join(BASE_DIR,'templates')

   BASE_DIR: - path which is create in C-drive

```python
TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [os.path.join(BASE_DIR,'templates')],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
                'django.template.context_processors.request',
                'django.contrib.auth.context_processors.auth',
                'django.contrib.messages.context_processors.messages',
            ],
        },
    },
]
```

Step 13: -

1) Create a database in DBMS

   Create database learn1234.

2) Make changes in setting.py

   Change the default sqlite3 to mysql

learningproject > learningproject > settings.py > ...

```
# Database
# https://docs.djangoproject.com/en/4.2/ref/settings/#databases

# DATABASES = {
#     'default': {
#         'ENGINE': 'django.db.backends.sqlite3',
#         'NAME': BASE_DIR / 'db.sqlite3',
#     }
# }

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.mysql',
        'NAME': 'learn1234',
        'HOST': 'localhost',
        'USER': 'root',
        'PASSWORD' : '',
    }
}
```

3) Getting and error then do install mysqlclient.

- Stop the server.
- pip install mysqlclient

Step 14: -

1) from models.py import models

   from Django.db import models

2) creating table/model in Django.

learningproject > learningapp > models.py > LearningCourses

```
from django.db import models

# Create your models here.

class LearningCourses(models.Model):
    name=models.CharField(max_length=50)
    cat1=models.CharField(max_length=50)
    cat2=models.CharField(max_length=50)
    job_type=models.CharField(max_length=50)
    price=models.IntegerField()
    time=models.CharField(max_length=50)
    status=models.CharField(max_length=50)
```

3) After Creating table/model in Django make migrations.

   python manage.py makemigrations

4) Run migration.

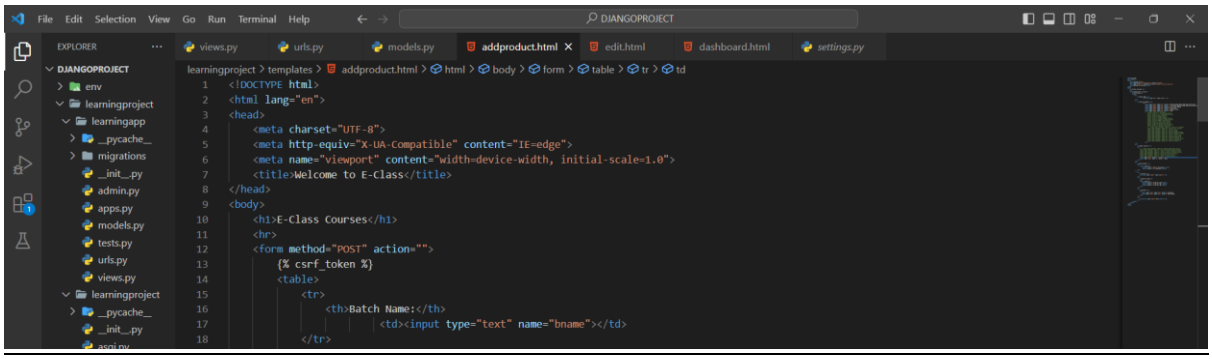
python manage.py migrate

Note: - It will migrate all the pending application.

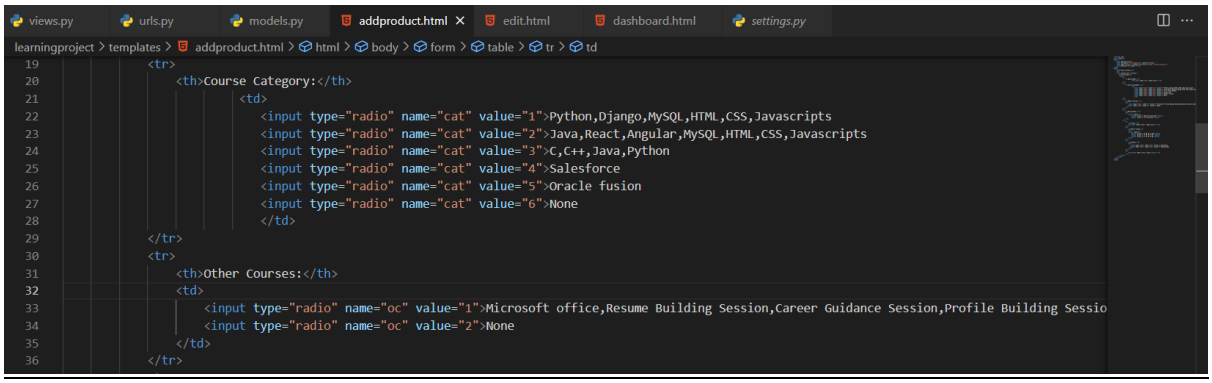
Step 15: -

1) Create addproduct.html, dashboard.html and edit.html inside templates folder.

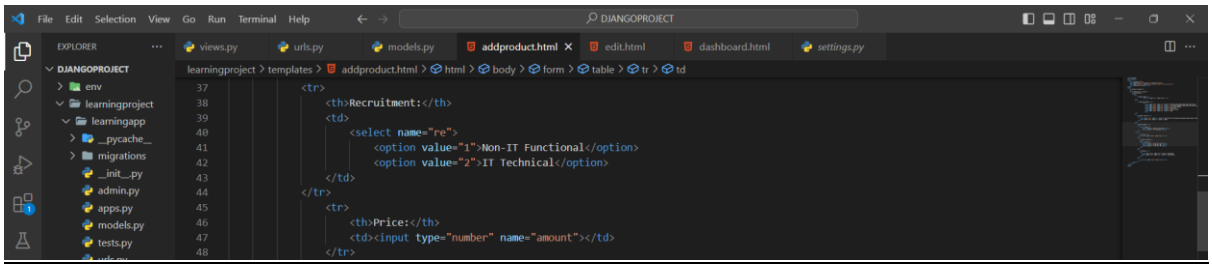
- **addproduct.html: -**
  - I. Views.py
  - II. Urls.py



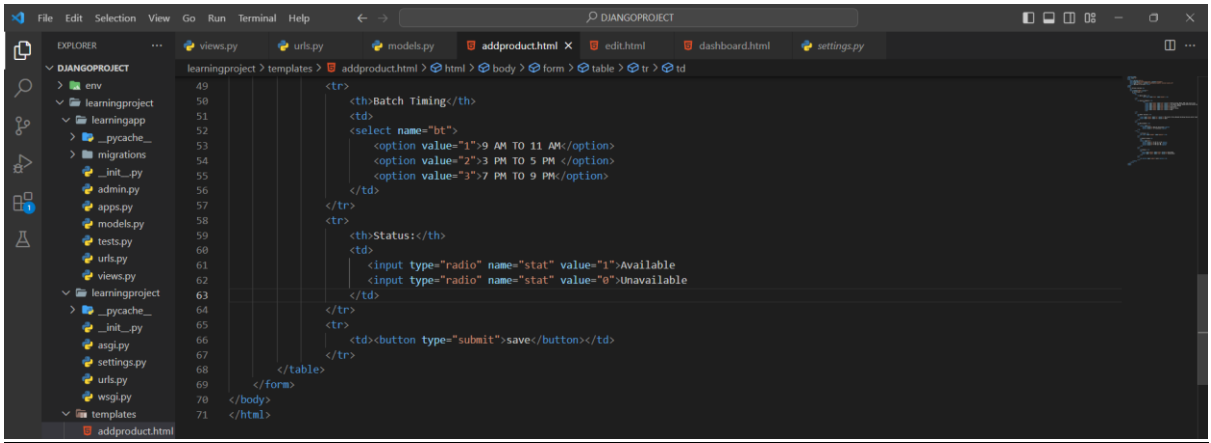
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Welcome to E-Class</title>
</head>
<body>
    <h1>E-Class Courses</h1>
    <hr>
    <form method="POST" action="">
        {% csrf_token %}
        <table>
            <tr>
                <th>Batch Name:</th>
                <td><input type="text" name="bname"></td>
            </tr>
```



```
        <tr>
            <th>Course Category:</th>
            <td>
                <input type="radio" name="cat" value="1">Python,Django,MySQL,HTML,CSS,Javascripts
                <input type="radio" name="cat" value="2">Java,React,Angular,MySQL,HTML,CSS,Javascripts
                <input type="radio" name="cat" value="3">C,C++,Java,Python
                <input type="radio" name="cat" value="4">Salesforce
                <input type="radio" name="cat" value="5">Oracle fusion
                <input type="radio" name="cat" value="6">None
                </td>
        </tr>
        <tr>
            <th>Other Courses:</th>
            <td>
                <input type="radio" name="oc" value="1">Microsoft office,Resume Building Session,Career Guidance Session,Profile Building Sessio
                <input type="radio" name="oc" value="2">None
            </td>
        </tr>
```



```
        <tr>
            <th>Recruitment:</th>
            <td>
                <select name="re">
                    <option value="1">Non-IT Functional</option>
                    <option value="2">IT Technical</option>
                </td>
            </tr>
            <tr>
                <th>Price:</th>
                <td><input type="number" name="amount"></td>
            </tr>
```



```
            <tr>
                <th>Batch Timing</th>
                <td>
                <select name="bt">
                    <option value="1">9 AM TO 11 AM</option>
                    <option value="2">3 PM TO 5 PM </option>
                    <option value="3">7 PM TO 9 PM</option>
                </td>
            </tr>
            <tr>
                <th>Status:</th>
                <td>
                    <input type="radio" name="stat" value="1">Available
                    <input type="radio" name="stat" value="0">Unavailable
                </td>
            </tr>
            <tr>
                <td><button type="submit">save</button></td>
            </tr>
        </table>
    </form>
</body>
</html>
```

views.py for addproduct: -

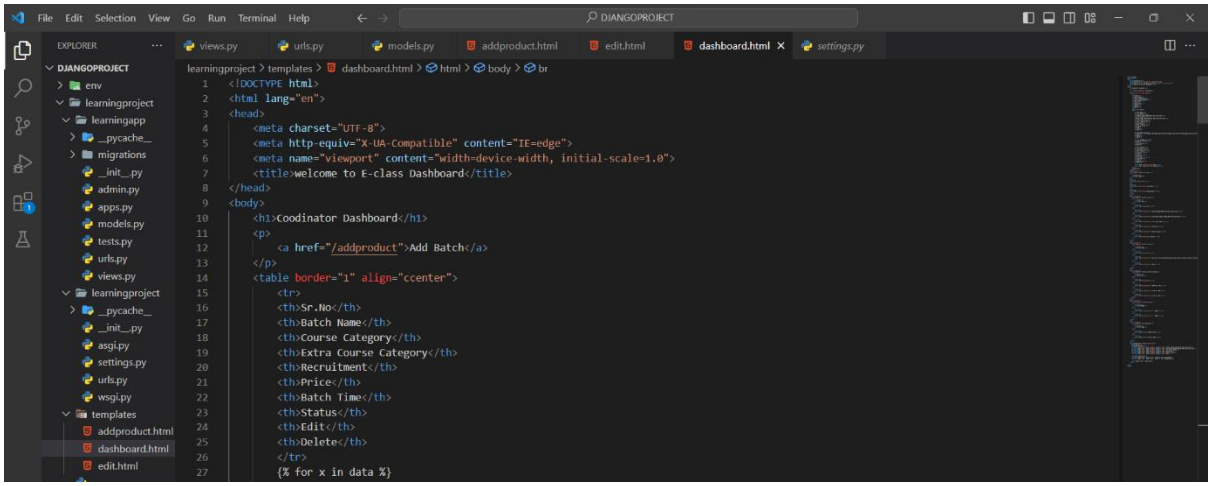
```python
def addproduct(request):

    if request.method=="POST":
        Batch_Name=request.POST['bname']
        Course_Category=request.POST['cat']
        Other_Course=request.POST['oc']
        Recruitment=request.POST['re']
        Price=request.POST['amount']
        Batch_Timing=request.POST['bt']
        Status=request.POST['stat']

        p=LearningCourses.objects.create(name=Batch_Name,cat1=Course_Category,cat2=Other_Course,job_type=Recruitment,price=Price,time=Batch_Timing,s
        p.save()
        return redirect('/dash')

    else:
        return render(request,'addproduct.html')
```

urls.py for addproduct: -

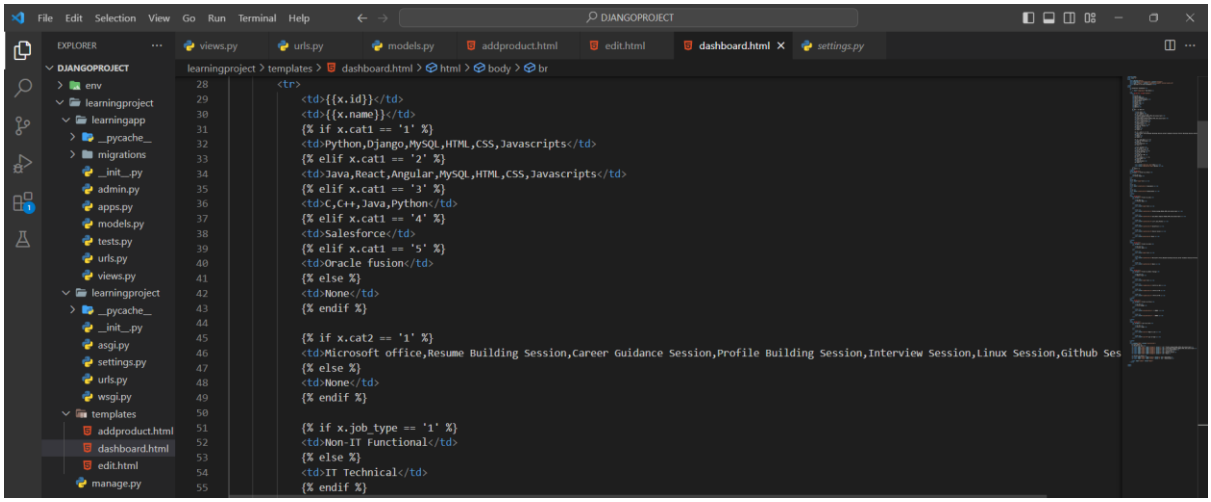
```python
path('addproduct',views.addproduct),
```

- **dashboard.html: -**

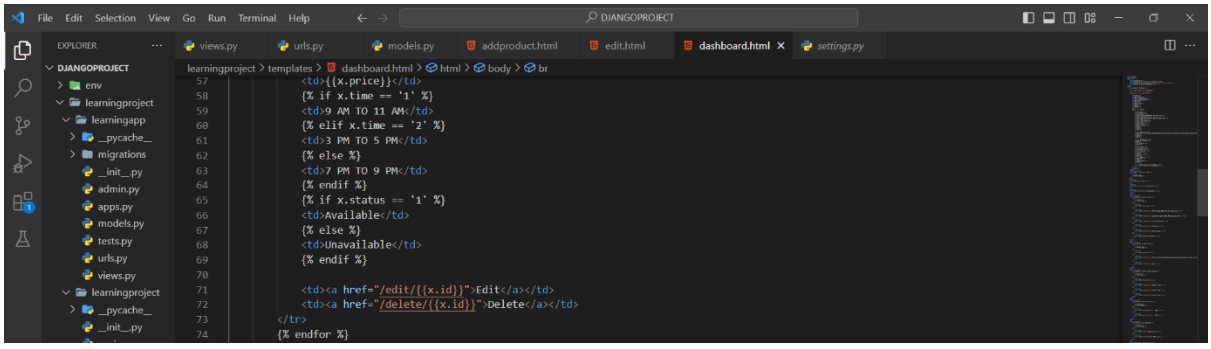
In dashboard also added edit, delete, filter, sort and multifilter.



```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>welcome to E-class Dashboard</title>
</head>
<body>
    <h1>Coodinator Dashboard</h1>
    <p>
        <a href="/addproduct">Add Batch</a>
    </p>
    <table border="1" align="ccenter">
        <tr>
        <th>Sr.No</th>
        <th>Batch Name</th>
        <th>Course Category</th>
        <th>Extra Course Category</th>
        <th>Recruitment</th>
        <th>Price</th>
        <th>Batch Time</th>
        <th>Status</th>
        <th>Edit</th>
        <th>Delete</th>
        </tr>
        {% for x in data %}
```



```
        <tr>
            <td>{{x.id}}</td>
            <td>{{x.name}}</td>
            {% if x.cat1 == '1' %}
            <td>Python,Django,MySQL,HTML,CSS,Javascripts</td>
            {% elif x.cat1 == '2' %}
            <td>Java,React,Angular,MySQL,HTML,CSS,Javascripts</td>
            {% elif x.cat1 == '3' %}
            <td>C,C++,Java,Python</td>
            {% elif x.cat1 == '4' %}
            <td>Salesforce</td>
            {% elif x.cat1 == '5' %}
            <td>Oracle fusion</td>
            {% else %}
            <td>None</td>
            {% endif %}

            {% if x.cat2 == '1' %}
            <td>Microsoft office,Resume Building Session,Career Guidance Session,Profile Building Session,Interview Session,Linux Session,Github Ses
            {% else %}
            <td>None</td>
            {% endif %}

            {% if x.job_type == '1' %}
            <td>Non-IT Functional</td>
            {% else %}
            <td>IT Technical</td>
            {% endif %}
```



```
            <td>{{x.price}}</td>
            {% if x.time == '1' %}
            <td>9 AM TO 11 AM</td>
            {% elif x.time == '2' %}
            <td>3 PM TO 5 PM</td>
            {% else %}
            <td>7 PM TO 9 PM</td>
            {% endif %}
            {% if x.status == '1' %}
            <td>Available</td>
            {% else %}
            <td>Unavailable</td>
            {% endif %}

            <td><a href="/edit/{{x.id}}">Edit</a></td>
            <td><a href="/delete/{{x.id}}">Delete</a></td>
        </tr>
        {% endfor %}
```

views.py for dashboard: -

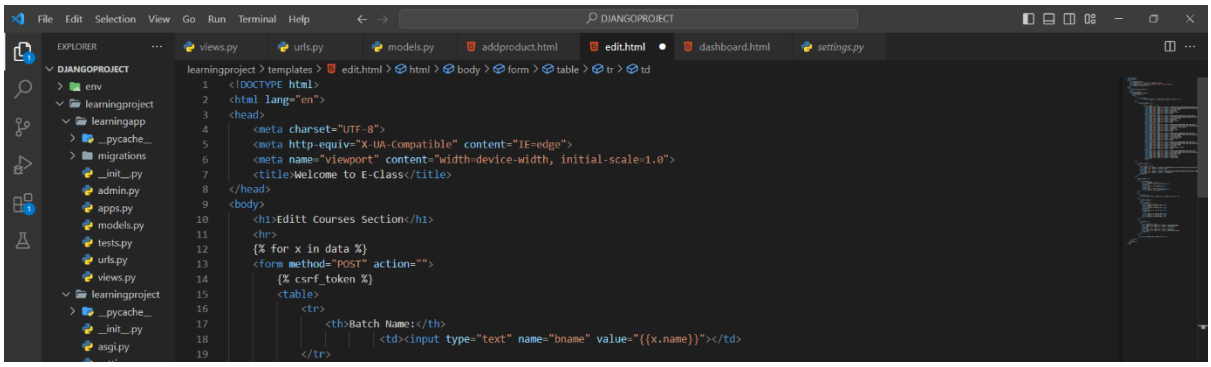
```
def dashboard(request):
    da=LearningCourses.objects.all()
    content={}
    content['data']=da
    return render(request,'dashboard.html',content)
```

urls.py for dashboard: -

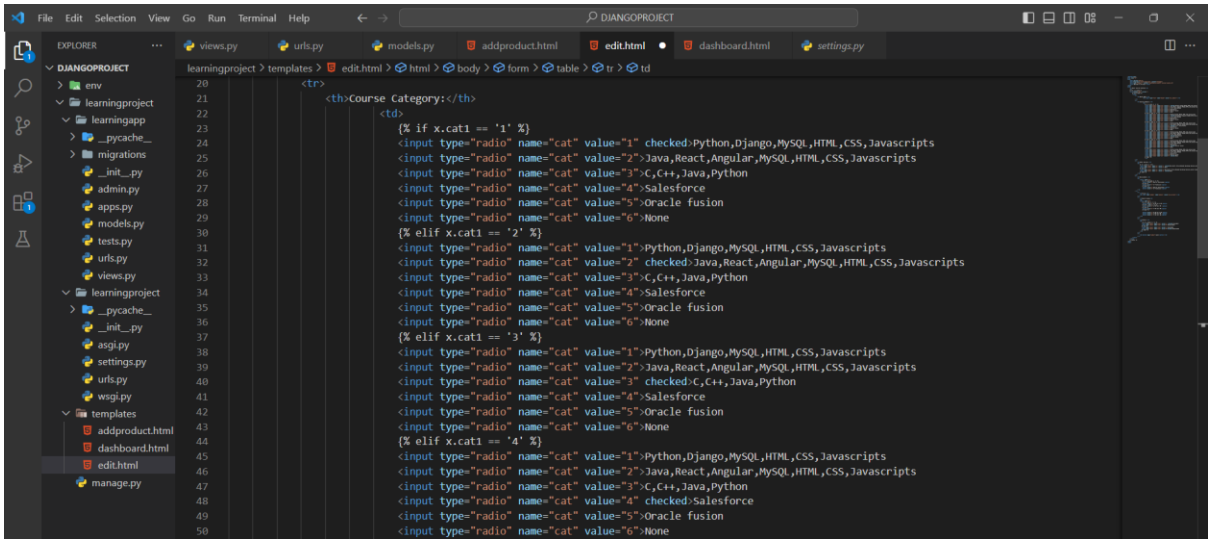
```
path('dash',views.dashboard),
```

I. Edit: -

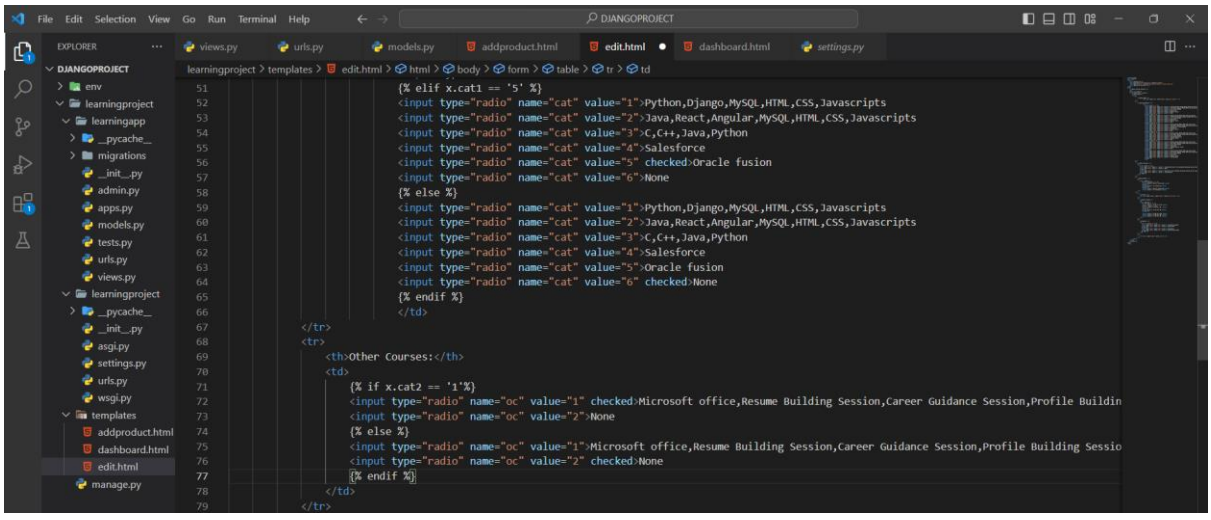
First create edit.html in the template folder copy and past addproduct html code inside edit.html file.



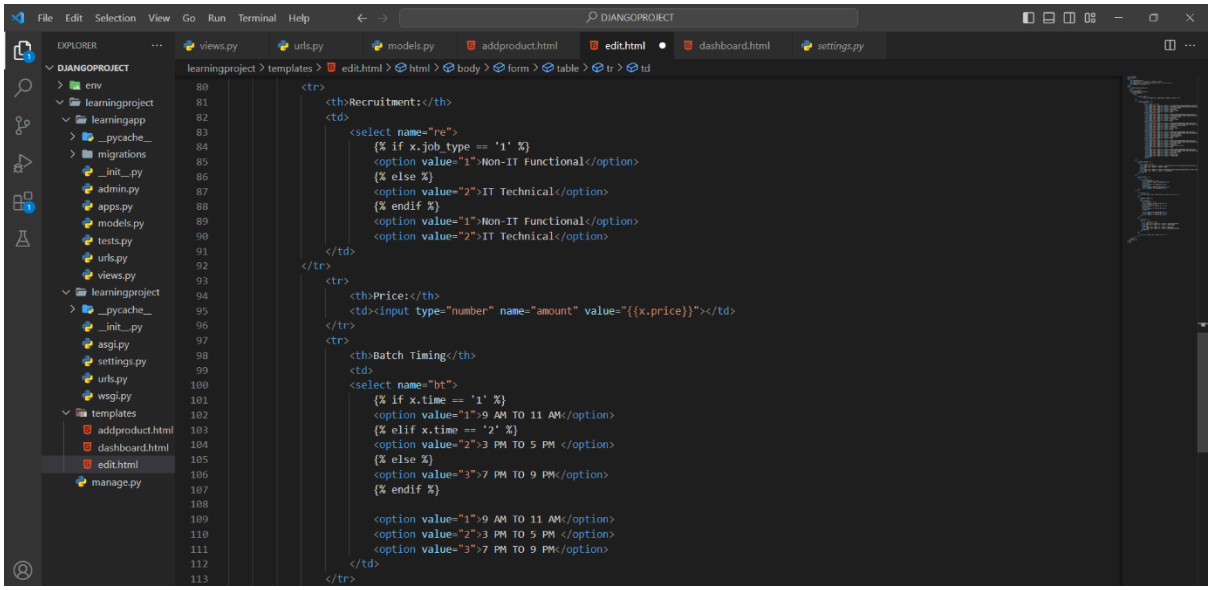
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Welcome to E-Class</title>
</head>
<body>
    <h1>Editt Courses Section</h1>
    <hr>
    {% for x in data %}
    <form method="POST" action="">
        {% csrf_token %}
        <table>
            <tr>
                <th>Batch Name:</th>
                    <td><input type="text" name="bname" value="{{x.name}}"></td>
            </tr>
```



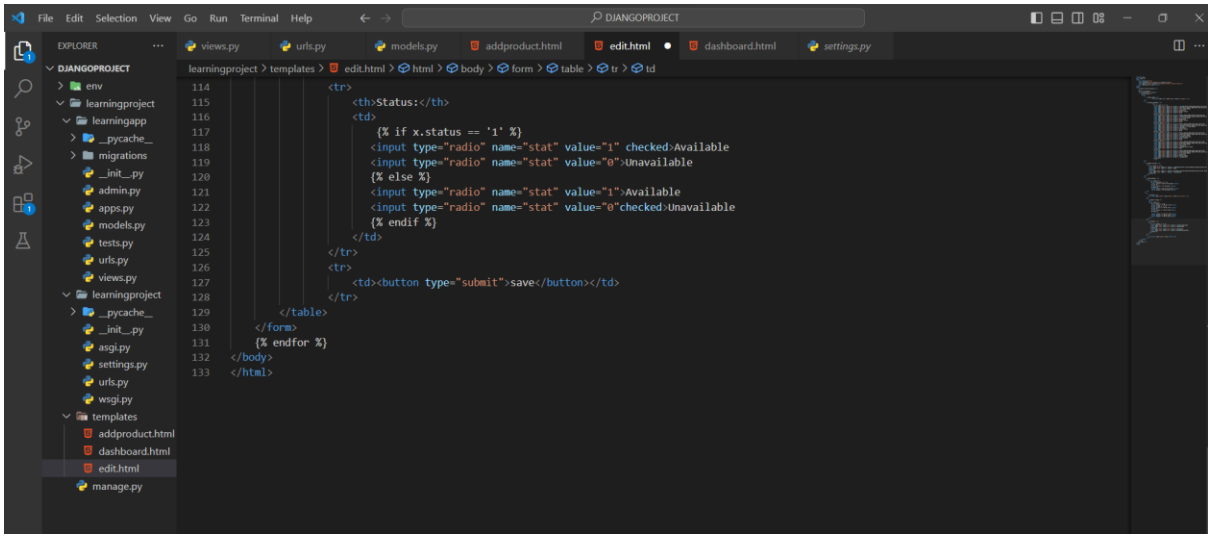
```
            <tr>
                <th>Course Category:</th>
                    <td>
                        {% if x.cat1 == '1' %}
                        <input type="radio" name="cat" value="1" checked>Python,Django,MySQL,HTML,CSS,Javascripts
                        <input type="radio" name="cat" value="2">Java,React,Angular,MySQL,HTML,CSS,Javascripts
                        <input type="radio" name="cat" value="3">C,C++,Java,Python
                        <input type="radio" name="cat" value="4">Salesforce
                        <input type="radio" name="cat" value="5">Oracle fusion
                        <input type="radio" name="cat" value="6">None
                        {% elif x.cat1 == '2' %}
                        <input type="radio" name="cat" value="1">Python,Django,MySQL,HTML,CSS,Javascripts
                        <input type="radio" name="cat" value="2" checked>Java,React,Angular,MySQL,HTML,CSS,Javascripts
                        <input type="radio" name="cat" value="3">C,C++,Java,Python
                        <input type="radio" name="cat" value="4">Salesforce
                        <input type="radio" name="cat" value="5">Oracle fusion
                        <input type="radio" name="cat" value="6">None
                        {% elif x.cat1 == '3' %}
                        <input type="radio" name="cat" value="1">Python,Django,MySQL,HTML,CSS,Javascripts
                        <input type="radio" name="cat" value="2">Java,React,Angular,MySQL,HTML,CSS,Javascripts
                        <input type="radio" name="cat" value="3" checked>C,C++,Java,Python
                        <input type="radio" name="cat" value="4">Salesforce
                        <input type="radio" name="cat" value="5">Oracle fusion
                        <input type="radio" name="cat" value="6">None
                        {% elif x.cat1 == '4' %}
                        <input type="radio" name="cat" value="1">Python,Django,MySQL,HTML,CSS,Javascripts
                        <input type="radio" name="cat" value="2">Java,React,Angular,MySQL,HTML,CSS,Javascripts
                        <input type="radio" name="cat" value="3">C,C++,Java,Python
                        <input type="radio" name="cat" value="4" checked>Salesforce
                        <input type="radio" name="cat" value="5">Oracle fusion
                        <input type="radio" name="cat" value="6">None
```



```
                        {% elif x.cat1 == '5' %}
                        <input type="radio" name="cat" value="1">Python,Django,MySQL,HTML,CSS,Javascripts
                        <input type="radio" name="cat" value="2">Java,React,Angular,MySQL,HTML,CSS,Javascripts
                        <input type="radio" name="cat" value="3">C,C++,Java,Python
                        <input type="radio" name="cat" value="4">Salesforce
                        <input type="radio" name="cat" value="5" checked>Oracle fusion
                        <input type="radio" name="cat" value="6">None
                        {% else %}
                        <input type="radio" name="cat" value="1">Python,Django,MySQL,HTML,CSS,Javascripts
                        <input type="radio" name="cat" value="2">Java,React,Angular,MySQL,HTML,CSS,Javascripts
                        <input type="radio" name="cat" value="3">C,C++,Java,Python
                        <input type="radio" name="cat" value="4">Salesforce
                        <input type="radio" name="cat" value="5">Oracle fusion
                        <input type="radio" name="cat" value="6" checked>None
                        {% endif %}
                        </td>
            </tr>
            <tr>
                <th>Other Courses:</th>
                <td>
                    {% if x.cat2 == '1'%}
                    <input type="radio" name="oc" value="1" checked>Microsoft office,Resume Building Session,Career Guidance Session,Profile Buildin
                    <input type="radio" name="oc" value="2">None
                    {% else %}
                    <input type="radio" name="oc" value="1">Microsoft office,Resume Building Session,Career Guidance Session,Profile Building Sessio
                    <input type="radio" name="oc" value="2" checked>None
                    {% endif %}
                </td>
            </tr>
```



```
<tr>
    <th>Recruitment:</th>
    <td>
        <select name="re">
            {% if x.job_type == '1' %}
            <option value="1">Non-IT Functional</option>
            {% else %}
            <option value="2">IT Technical</option>
            {% endif %}
            <option value="1">Non-IT Functional</option>
            <option value="2">IT Technical</option>
        </td>
    </tr>
        <tr>
            <th>Price:</th>
            <td><input type="number" name="amount" value="{{x.price}}"></td>
        </tr>
        <tr>
            <th>Batch Timing</th>
            <td>
            <select name="bt">
                {% if x.time == '1' %}
                <option value="1">9 AM TO 11 AM</option>
                {% elif x.time == '2' %}
                <option value="2">3 PM TO 5 PM </option>
                {% else %}
                <option value="3">7 PM TO 9 PM</option>
                {% endif %}

                <option value="1">9 AM TO 11 AM</option>
                <option value="2">3 PM TO 5 PM </option>
                <option value="3">7 PM TO 9 PM</option>
            </td>
        </tr>
```



```
        <tr>
            <th>Status:</th>
            <td>
                {% if x.status == '1' %}
                <input type="radio" name="stat" value="1" checked>Available
                <input type="radio" name="stat" value="0">Unavailable
                {% else %}
                <input type="radio" name="stat" value="1">Available
                <input type="radio" name="stat" value="0"checked>Unavailable
                {% endif %}
            </td>
        </tr>
        <tr>
            <td><button type="submit">save</button></td>
        </tr>
    </table>
</form>
{% endfor %}
</body>
</html>
```

views.py for edit: -

Syntax: -

p=LearningCourses.objects.filter(id=rid)

p.update(name=Batch_Name,cat1=Course_Category,cat2=Other_Course,job_type=Recruitment,price=Price,time=Batch_Timing,status=Status)

```python
def edit(request,rid):
    if request.method=="POST":
        Batch_Name=request.POST['bname']
        Course_Category=request.POST['cat']
        Other_Course=request.POST['oc']
        Recruitment=request.POST['re']
        Price=request.POST['amount']
        Batch_Timing=request.POST['bt']
        Status=request.POST['stat']
        p=LearningCourses.objects.filter(id=rid)
        p.update(name=Batch_Name,cat1=Course_Category,cat2=Other_Course,job_type=Recruitment,price=Price,time=Batch_Timing,status=Status)
        return redirect('/dash')
    else:
        p=LearningCourses.objects.filter(id=rid)
        content={}
        content['data']=p
        return render(request,'edit.html',content)
```

urls.py for edit: -

II. Delete: -

Do not create any html file for delete.

views.py for delete: -

Syntax: -

p=LearningCourses.objects.filter(id=rid)

p.delete()

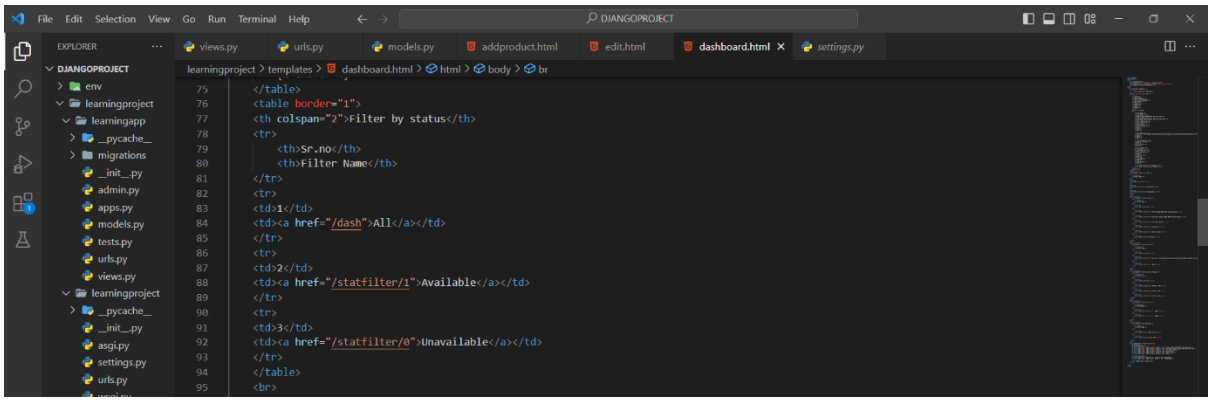
```
def delete(request,rid):
    p=LearningCourses.objects.filter(id=rid)
    p.delete()
    return redirect('/dash')
```

urls.py for delete: -

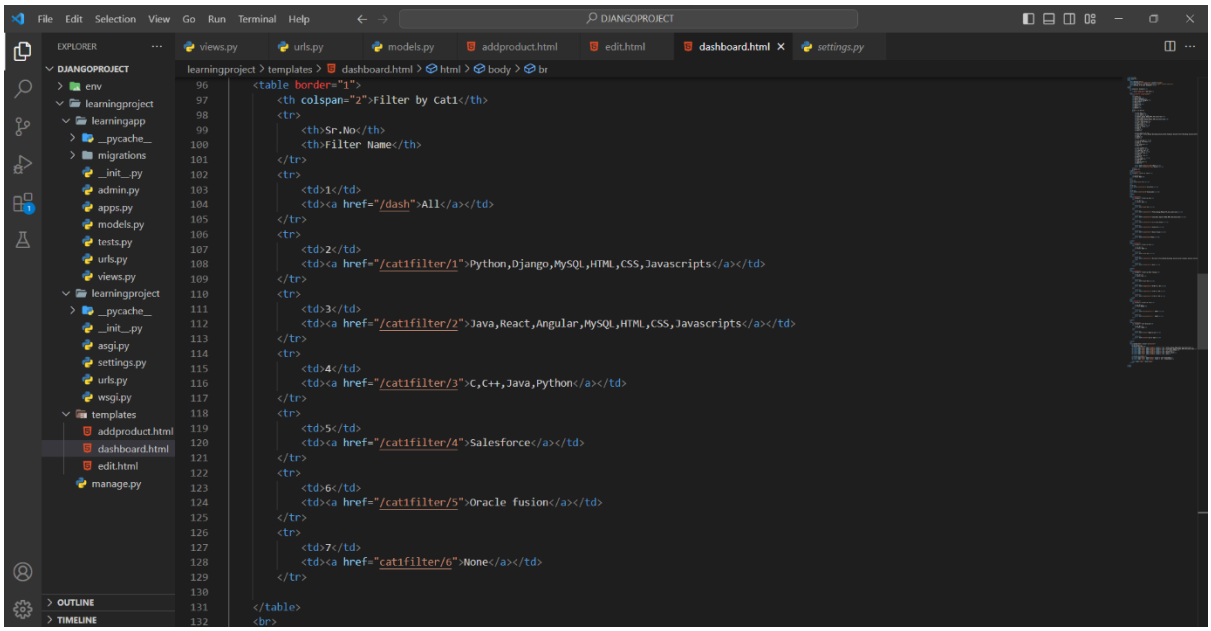
```
path('delete/<rid>',views.delete),
```

III. Filters for dashboard: -

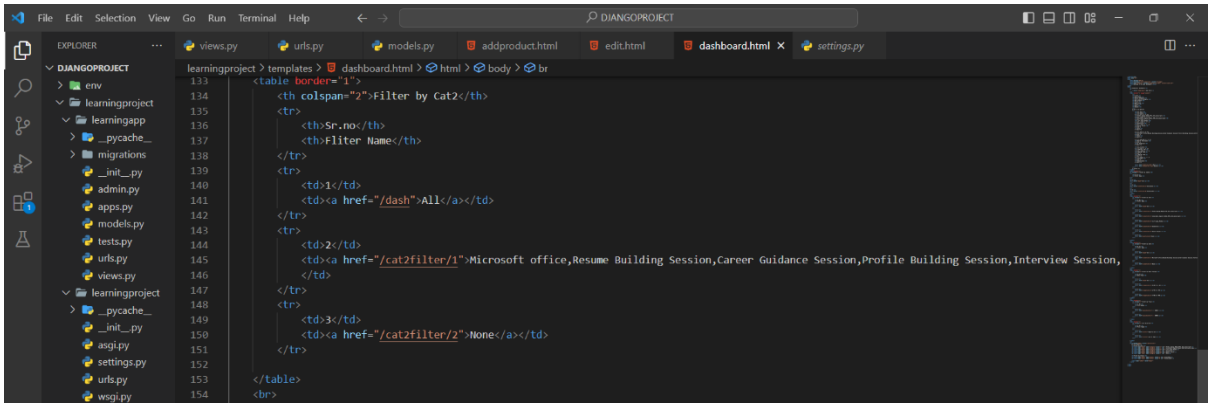
Do not create html file for filter. Assign it to dashboard.html.



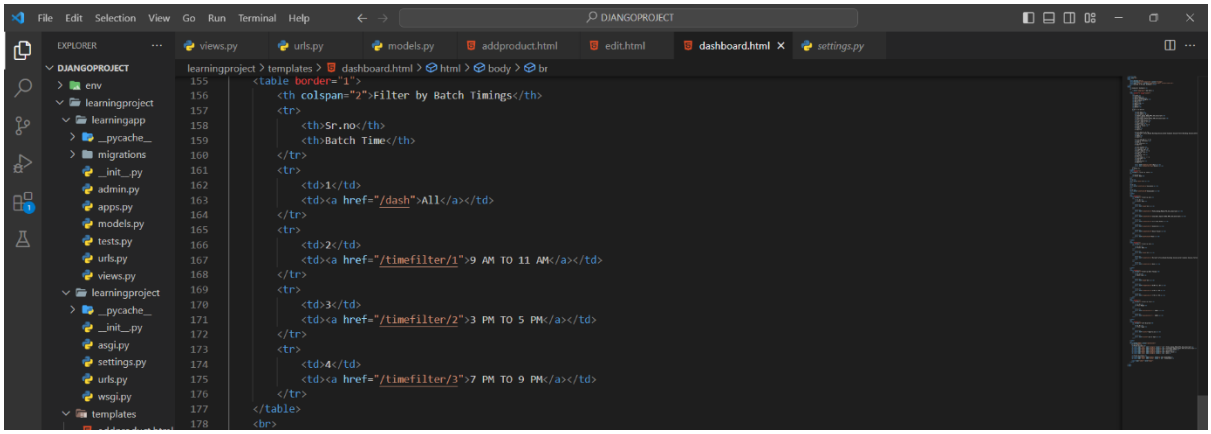
```
    </table>
    <table border="1">
    <th colspan="2">Filter by status</th>
    <tr>
        <th>Sr.no</th>
        <th>Filter Name</th>
    </tr>
    <tr>
    <td>1</td>
    <td><a href="/dash">All</a></td>
    </tr>
    <tr>
    <td>2</td>
    <td><a href="/statfilter/1">Available</a></td>
    </tr>
    <tr>
    <td>3</td>
    <td><a href="/statfilter/0">Unavailable</a></td>
    </tr>
    </table>
    <br>
```



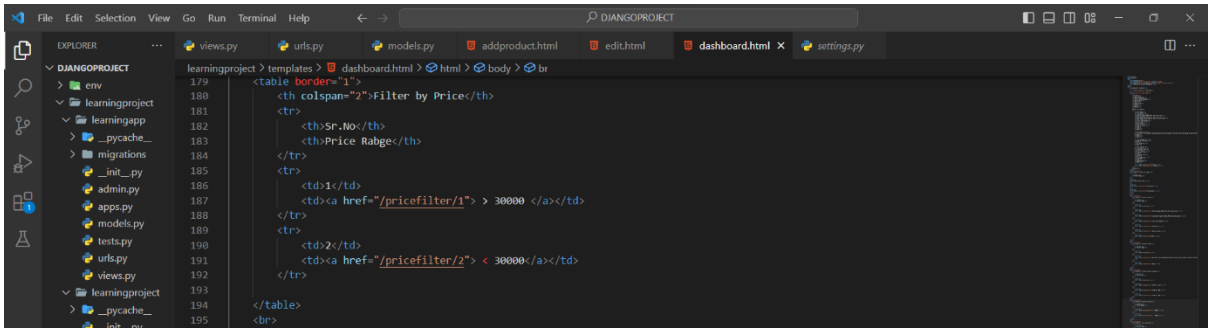
```
    <table border="1">
        <th colspan="2">Filter by Cat1</th>
        <tr>
            <th>Sr.No</th>
            <th>Filter Name</th>
        </tr>
        <tr>
            <td>1</td>
            <td><a href="/dash">All</a></td>
        </tr>
        <tr>
            <td>2</td>
            <td><a href="/cat1filter/1">Python,Django,MySQL,HTML,CSS,Javascripts</a></td>
        </tr>
        <tr>
            <td>3</td>
            <td><a href="/cat1filter/2">Java,React,Angular,MySQL,HTML,CSS,Javascripts</a></td>
        </tr>
        <tr>
            <td>4</td>
            <td><a href="/cat1filter/3">C,C++,Java,Python</a></td>
        </tr>
        <tr>
            <td>5</td>
            <td><a href="/cat1filter/4">Salesforce</a></td>
        </tr>
        <tr>
            <td>6</td>
            <td><a href="/cat1filter/5">Oracle fusion</a></td>
        </tr>
        <tr>
            <td>7</td>
            <td><a href="cat1filter/6">None</a></td>
        </tr>

    </table>
    <br>
```



```
    <table border="1">
        <th colspan="2">Filter by Cat2</th>
        <tr>
            <th>Sr.no</th>
            <th>Fliter Name</th>
        </tr>
        <tr>
            <td>1</td>
            <td><a href="/dash">All</a></td>
        </tr>
        <tr>
            <td>2</td>
            <td><a href="/cat2filter/1">Microsoft office,Resume Building Session,Career Guidance Session,Profile Building Session,Interview Session,
            </td>
        </tr>
        <tr>
            <td>3</td>
            <td><a href="/cat2filter/2">None</a></td>
        </tr>

    </table>
    <br>
```

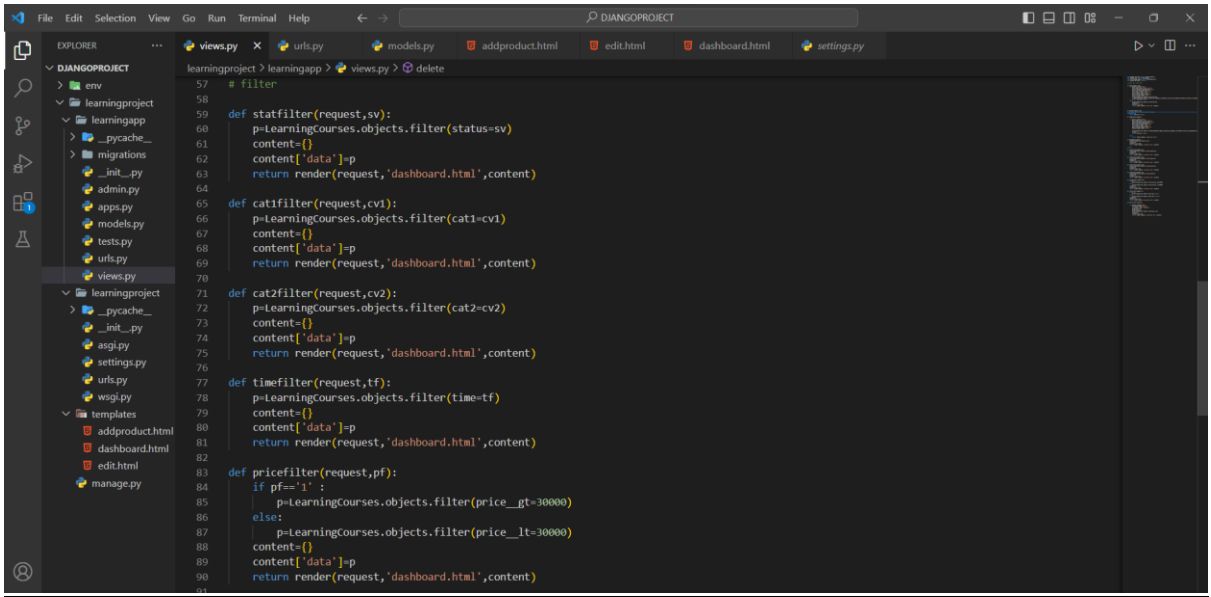


```
<table border="1">
    <th colspan="2">Filter by Batch Timings</th>
    <tr>
        <th>Sr.no</th>
        <th>Batch Time</th>
    </tr>
    <tr>
        <td>1</td>
        <td><a href="/dash">All</a></td>
    </tr>
    <tr>
        <td>2</td>
        <td><a href="/timefilter/1">9 AM TO 11 AM</a></td>
    </tr>
    <tr>
        <td>3</td>
        <td><a href="/timefilter/2">3 PM TO 5 PM</a></td>
    </tr>
    <tr>
        <td>4</td>
        <td><a href="/timefilter/3">7 PM TO 9 PM</a></td>
    </tr>
</table>
<br>
```



```
<table border="1">
    <th colspan="2">Filter by Price</th>
    <tr>
        <th>Sr.No</th>
        <th>Price Rabge</th>
    </tr>
    <tr>
        <td>1</td>
        <td><a href="/pricefilter/1"> > 30000 </a></td>
    </tr>
    <tr>
        <td>2</td>
        <td><a href="/pricefilter/2"> < 30000</a></td>
    </tr>

</table>
<br>
```

views.py for Filter: -



```
# filter

def statfilter(request,sv):
    p=LearningCourses.objects.filter(status=sv)
    content={}
    content['data']=p
    return render(request,'dashboard.html',content)

def cat1filter(request,cv1):
    p=LearningCourses.objects.filter(cat1=cv1)
    content={}
    content['data']=p
    return render(request,'dashboard.html',content)

def cat2filter(request,cv2):
    p=LearningCourses.objects.filter(cat2=cv2)
    content={}
    content['data']=p
    return render(request,'dashboard.html',content)

def timefilter(request,tf):
    p=LearningCourses.objects.filter(time=tf)
    content={}
    content['data']=p
    return render(request,'dashboard.html',content)

def pricefilter(request,pf):
    if pf=='1' :
        p=LearningCourses.objects.filter(price__gt=30000)
    else:
        p=LearningCourses.objects.filter(price__lt=30000)
    content={}
    content['data']=p
    return render(request,'dashboard.html',content)
```

url.py for Filter: -

```
path('statfilter/<sv>',views.statfilter),
path('cat1filter/<cv1>',views.cat1filter),
path('cat2filter/<cv2>',views.cat2filter),
path('timefilter/<tf>',views.timefilter),
path('pricefilter/<pf>',views.pricefilter),
```

IV. Sort for Dashboard: -

Do not create html file for filter. Assign it to dashboard.html

```
<table border="1">
    <th colspan="2">sort by price</th>
    <tr>
        <th>Sr.No</th>
        <th>Price range</th>
    </tr>
    <tr>
        <td>1</td>
        <td><a href="/sort/1">High to Low</a></td>
    </tr>
    <tr>
        <td>2</td>
        <td><a href="/sort/0">Low to High</a></td>
    </tr>

</table>
<br>
```

views.py for Sort: -

Syntax: -

p=LearningCourses.objects.order_by('price/-price')

where,

price is ascending order.

-price is descending order.

```
def sortfilter(request,s):
    if s=='0':
        p=LearningCourses.objects.order_by('price')
    else:
        p=LearningCourses.objects.order_by('-price')
    content={}
    content['data']=p
    return render(request,'dashboard.html',content)
```

urls.py for sort: -

```
path('sort/<s>',views.sortfilter),
```

V. Multifilter for dashboard: -

Do not create html file for filter. Assign it to dashboard.html

```
    <form method="POST" action="/multifilter">
      {% csrf_token %}
      <h2>Filter by Cat1</h2>
      <p><input type="radio" name="category" value="1" id="">Python,Django,MySQL,HTML,CSS,Javascripts</p>
      <p><input type="radio" name="category" value="2" id="">Java,React,Angular,MySQL,HTML,CSS,Javascripts</p>
      <p><input type="radio" name="category" value="3" id="">C,C++,Java,Python</p>
      <p><input type="radio" name="category" value="4" id="">Salesforce</p>
      <p><input type="radio" name="category" value="5" id="">Oracle fusion</p>
      <p><input type="radio" name="category" value="6" id="">None</p>

      <h2>Filter by Status</h2>
      <p><input type="radio" name="status" value="1" id="">Available</p>
      <p><input type="radio" name="status" value="0" id="">Unavailable</p>

      <input type="submit" value="Apply">
    </form>

</body>
</html>
```

Views.py for multifilter: -

In views, import Q from django.db.models

Syntax: -

from django.db.models import Q

q1 = Q(condition 1)

q2 = Q(condition 2)

queryset = Modelname.objects.filter(q1 & q2)

```
def multifilter(request):

    if request.method=="POST":
        sv=request.POST['status']
        cv1=request.POST['category']
        q1=Q(cat1=cv1)
        q2=Q(status=sv)
        p=LearningCourses.objects.filter(q1 & q2)
        content={}
        content['data']=p
        return render(request,'dashboard.html',content)
```

urls.py for multifilter: -

```
    path('multifilter',views.multifilter),

]
```