

Vanessa Lobo

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Roll No:37

CSE-A

LAB-6

Q1:

Webapp/urls.py

```
from django.urls import path
from . import views
urlpatterns = [
    path('', views.home, name="home"),
    path('result', views.result, name='result'),
    path('submit', views.submit, name='submit')
]
```

Webapp/views.py

```
from django.shortcuts import render
from django.http import HttpResponseRedirect
from .forms import ManuFactForm
# Create your views here.
def submit(request):
    form = ManuFactForm(request.POST or None)
    Manu_Name=''
    Model=''
    if request.method == 'POST':
        FinalForm= ManuFactForm(request.POST)
        if FinalForm.is_valid():
            Manu_Name=FinalForm.cleaned_data['Manufacturers']
            Model=FinalForm.cleaned_data['Model_Name']

    context = {'Manu_Name':Manu_Name,'Model':Model,'form':form}
    return render(request,'result.html', context)
def home(request):
    form = ManuFactForm(request.POST or None)
    context={'form':form}
    return render(request,'home.html',context)
def result(request):
    return render(request,'result.html')
```

webapp/templates/home.html

```
<!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, initialscale=1.0" />
    <title>Document</title>
</head>
<body>
    <form name="form" action="{% url 'submit' %}" method="POST">
        {% csrf_token %}
        {{ form.as_p }}
        <input type="submit" value="Submit">
    </form>
</body>
</html>

```

Webapp/templates/result.html

```

<!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>Result</title>
</head>
<body>
    <p style="font-size:30px">
        Car Manufaturer : {{Manu_Name}}
        <br>
        Model Name : {{Model}}
    </p>
</body>
</html>

```

Webapp/forms.py

```






from django import forms
from django.core.management.color import Style

CHOICES=[('BMW', 'BMW'), ('AUDI', 'AUDI'), ('Toyota', 'Toyota'), ('Mercedes',
'Mercedes'), ('Ford', 'Ford'), ('Tata', 'Tata')]

class ManuFactForm(forms.Form):
    Manufacturers= forms.ChoiceField(choices=CHOICES)
    Model_Name= forms.CharField()

```





← → ↻ ⓘ 127.0.0.1:8000

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Manufacturers:

Model name:

← → ↻ ⓘ 127.0.0.1:8000/submit

 MU SLcM  MIT_Big_Data_2021...  Problems - LeetCode  Dashbo

Car Manufacturer : BMW
Model Name : X7

Q2:

Webapp/urls.py

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

app_name = 'webapp'
urlpatterns = [
    path('index', views.index, name='index'),
    path('firstpage', views.firstpage, name='firstpage'),
    path('secondpage', views.secondpage, name='secondpage'),
]
```

Webapp/forms.py

```
from django import forms
from django.forms import widgets
from django.forms.fields import CharField, IntegerField

subjects = [
    ('Math', 'Math'),
    ('Physics', 'Physics'),
    ('English', 'English'),
    ('Chemistry', 'Chemistry'),
]

class BasicForm(forms.Form):
    name = CharField()
    roll = IntegerField()
    subject = CharField(label='Select subject.',
        widget=forms.Select(choices=subjects))
```

webapp/views.py

```
from django.shortcuts import render, redirect
from .forms import BasicForm

def index(request):
    form = BasicForm()
    return render(request, 'firstpage.html', {'form': form})

def firstpage(request):
    if request.method == 'POST':
        form = BasicForm(request.POST)
        if form.is_valid():
            name = form.cleaned_data['name']
            roll = form.cleaned_data['roll']
            subject = form.cleaned_data['subject']

            request.session['name'] = name
            request.session['roll'] = roll
            request.session['subject'] = subject

            return redirect('secondpage.html')

def secondpage(request):
    name = request.session['name']
    roll = request.session['roll']
    subject = request.session['subject']

    context = {'name': name, 'roll': roll, 'subject': subject}
    return render(request, 'secondpage.html', context)
```

webapp/templates/firstpage.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>Document</title>
</head>
```

```
<body>
  <h2>Student Details</h2>
  <hr>

  <form method="POST" action="first_page">
    {% csrf_token %}
    {{ form.as_p }}
    <button type="submit">Submit</button>
  </form>

</body>
</html>
```

webapp/templates/secondpage.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>Document</title>
</head>
<body>
  <h2>Student Details</h2>
  <hr>

  <p>Name: <strong>{{ name }}</strong></p>
  <p>Roll Number: <strong>{{ roll }}</strong></p>
  <p>Subject: <strong>{{ subject }}</strong></p>

  <form method="GET" action="index">
    <button type="submit">Home</button>
  </form>

</body>
</html>
```



Student Details

Subjects:

Name:

Roll Number:

Student Details

Name: **Vanessa Lobo**

Roll Number: **37**

Subject: **Chemistry**

Q3:

Webapp/urls.py

```
from django.urls import path
from . import views
urlpatterns = [
    path('', views.firstpage, name="home"),
    path('submit', views.submit, name='submit')
]
```

Webapp/forms.py

```
from django import forms
from django.core.management.color import Style
from django.forms.widgets import EmailInput, PasswordInput

class LoginForm(forms.Form):
    UserName=forms.CharField()
    PassWord=forms.CharField(widget=PasswordInput, required=False)
```

```
Email=forms.CharField(widget=EmailInput,required=False,)
Contact_Num=forms.IntegerField(required=False)
```

Webapp/templates/firstpage.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, initialscale=1.0" />
    <title>Document</title>
</head>
<body>
    <form name="form" action="{% url 'submit' %}" method="POST">
        {% csrf_token %}
        {{ form.as_p }}
        <input type="submit" value="Register">
    </form>
</body>
</html>
```

Webapp/templates/secondpage.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>Result</title>
</head>
<body>
    <center>
        

        <br><br><br>
        <h2>Welcome {{UserName}}</h2>

        <pre style="font-size:20px;font-family:Helvetica">

Email ID:{{Email}}

Contact Number:{{Contact_Num}}
</pre>
    </center>

</body>
</html>
```

Webapp/views.py

```
from django.forms.widgets import EmailInput
from django.shortcuts import render
from django.http import HttpResponse
from .forms import LoginForm
# Create your views here.
def submit(request):
```

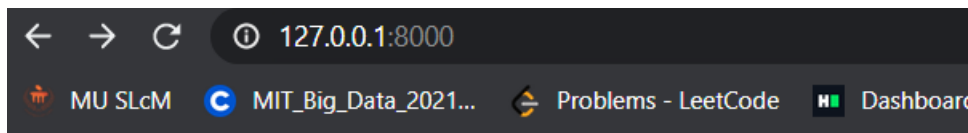
```

form = LoginForm(request.POST or None)

if request.method == 'POST':
    FinalForm= LoginForm(request.POST)
    if FinalForm.is_valid():
        UserName=FinalForm.cleaned_data['UserName']
        Email=FinalForm.cleaned_data['Email']
        Contact_Num=FinalForm.cleaned_data['Contact_Num']
    else:
        FinalForm=LoginForm()
    context={"User Name":UserName,"Email":Email,"Contact_Num":Contact_Num}
    return render(request,'secondpage.html',context)

def firstpage(request):
    form = LoginForm(request.POST or None)
    context={'form':form}
    return render(request,'firstpage.html',context)
def secondpage(request):
    return render(request,'secondpage.html')

```

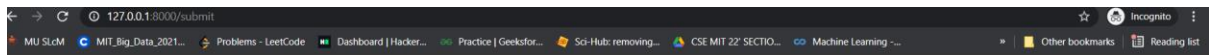


Username:

Password:

Email:

Contact num:



Q4:

Webapp/urls.py

```
from django.urls import path
from . import views
urlpatterns = [
    path('', views.firstpage, name="home"),
    path('submit', views.submit, name='submit')
]
```

Webapp/forms.py

```
from django import forms
from django.core.management.color import Style

COMPANY = [('HP', 'HP'), ('Nokia', 'Nokia'), ('Samsung', 'Samsung'),
            ('Motorola', 'Motorola'), ('Apple', 'Apple')]
class BillForm(forms.Form):
    Company_Name= forms.ChoiceField(widget=forms.RadioSelect, choices=COMPANY)
    Mobile= forms.CharField(widget=forms.CheckboxInput)
    Laptop= forms.CharField(widget=forms.CheckboxInput)
    Quantity=forms.IntegerField()
```

Webapp/views.py

```
from django.shortcuts import render
from django.http import HttpResponse
from .forms import BillForm
# Create your views here.
def submit(request):
    form = BillForm(request.POST or None)
    Mob_Cost={
        "HP":1000,
        "Nokia":2000,
        "Samsung":1200,
        "Motorola":1500,
```

```

        "Apple":500
    }
    Laptop_Cost={
        "HP":5000,
        "Nokia":8000,
        "Samsung":12000,
        "Motorola":7000,
        "Apple":9000
    }
    Company_Name=''
    Mobile=''
    Laptop=''
    Quantity=''
    Price=0
    if request.method == 'POST':
        FinalForm= BillForm(request.POST)
        if FinalForm.is_valid():
            Company_Name=FinalForm.cleaned_data['Company_Name']
            Mobile=FinalForm.cleaned_data['Mobile']
            Laptop=FinalForm.cleaned_data['Laptop']
            Quantity=FinalForm.cleaned_data['Quantity']
        else:
            FinalForm=BillForm()

    if (Mobile)=='True':
        Price=Price+(Mob_Cost[Company_Name]*Quantity)
    if (Laptop)=='True':
        Price=Price+(Laptop_Cost[Company_Name]*Quantity)

context={"Company_Name":Company_Name,"Mobile":Mobile,"Laptop":Laptop,"Quantity":Quantity,"Price":Price}
return render(request, 'secondpage.html', context)

def firstpage(request):
    form = BillForm(request.POST or None)
    context={'form':form}
    return render(request, 'firstpage.html', context)
def secondpage(request):
    return render(request, 'secondpage.html')

```

Webapp/templates/firstpage.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, initialscale=1.0" />
    <title>Document</title>
</head>
<body>
    <form name="form" action="{% url 'submit' %}" method="POST">
        {% csrf_token %}
        {{ form.as_p }}
        <input type="submit" value="Generate Bill">
    </form>
</body>
</html>

```

Webapp/templates/secondpage.html

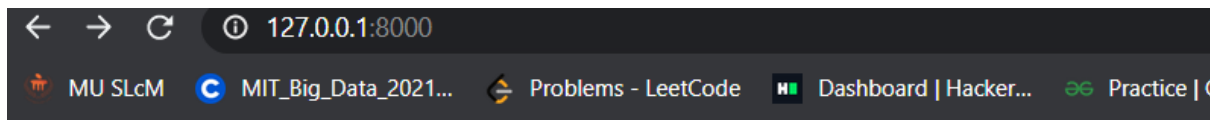
```

<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>Result</title>
</head>
<body>
  <pre style="color:black;font-size:20px">
      Purchase Bill

      Product Company : {{Company_Name}}
      Mobile Purchase: {{Mobile}}
      Laptop Purchase: {{Laptop}}
      Quantity: {{Quantity}}

      Total Price(Rs) : {{Price}}
  </pre>
</body>
</html>

```



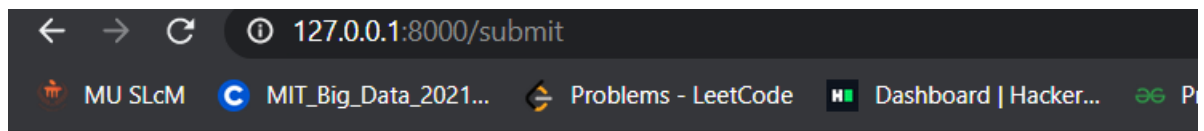
Company name:

- ☐ HP
- ☐ Nokia
- ☐ Samsung
- ☐ Motorola
- ☒ Apple

Mobile: ☒

Laptop: ☒

Quantity:



Purchase Bill

Product Company : Apple

Mobile Purchase: True

Laptop Purchase: True

Quantity: 2

Total Price(Rs) : 19000