**ASSIGNMENT – 1**

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**Batch** **B7-1A3E**

**AIM**

1. Create registration page in html with username, email and phone number and by using POST method display it in next html page.
2. Develop a flask program which should contain at least 5 packages used `from pypi.org`

**DIRECTORY STRUCTURE**

- static
  - graphs
  - styles
    response.css
- templates
  - form.html
  - response.html
  - graph.html
- app.py

**CODE 1.HTML FILES**

**a)form.html**

```
<!DOCTYPEhtml>

<html>
<body>

<h1>REGISTRATION FORM</h1>

<formaction="/"method="POST">
<label>USERNAME</label>
<br>
<inputtype="text"name="username"required>
<br><br>

<label>EMAIL</label>
<br>
```

```
<inputtype="email"name="email"required>
<br><br>

<label>MOBILE NUMBER</label>
<br>
<inputtype="number"name="mobile_no"required>
<br><br>

<buttontype="submit">SUBMIT</button>
</form>

</body>
</html>
```

**b)response.html**

```
<!DOCTYPEhtml>

<html>

<linkrel="stylesheet"href="{{url_for('static', filename='styles/response.css')}}">

<body>

<h1>RESPONSE COPY</h1>

<table>
<tr>
<th>USERNAME</th><td>{{username}}</td>
</tr>

<tr>
<th>EMAIL</th>
<td>{{email}}</td>
</tr>

<tr>
<th>MOBILE NUMBER</th>
<td>{{mobile_no}}</td>
</tr>
</table>

</body>
</html>
```

**c)graph.html**

```
<!DOCTYPEhtml>


<html>
<body>

<h2>GRAPH DATA</h2>

<p>USER COUNT - {{user_count}}</p>

<imgsrc="{{ url_for('static', filename = filename) }}"/>

</body>

</html>
```

**2.CSS FILES**

**a)response.css**

```
table{  border:
1pxsolidblack;     text-
align: center;
}

th, td{  border:
1pxsolidblack;     text-
align: center;
}
```

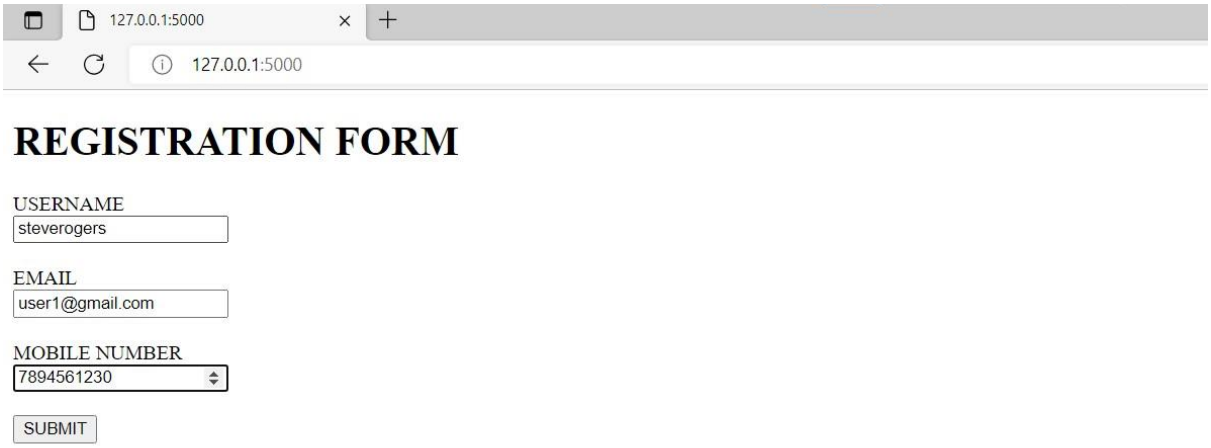
**3.app.py**

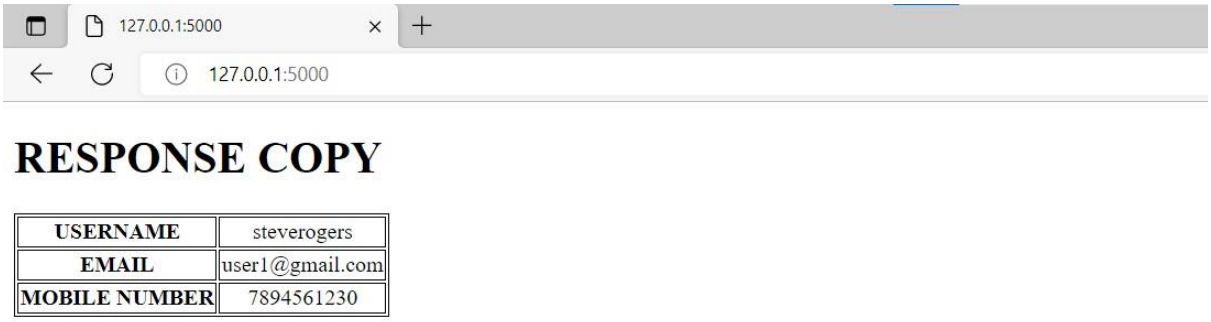
```
from flask import Flask from flask
importrender_templatefrom flask import
request
import seaborn
assnsimportmatplotlib.pyplotaspltimport
numpyas np
```

```
import matplotlib
matplotlib.use('Agg')


app = Flask(__name__)


user_count = 0

@app.route("/",methods=["GET","POST"])
defForm():
if(request.method=="GET"):
returnrender_template("form.html")   elif(request.method=="POST"):
username=request.form["username"]
email=request.form["email"]
mobile_no=request.form["mobile_no"]

return
render_template("response.html",username=username,email=email,mobile_no=mobile_no)



@app.route("/graph",methods=["GET","POST"])
defGraph():
globaluser_count
if(request.method=="GET"):
user_count = user_count+1
print(user_count)
df = sns.load_dataset('flights')
        data =
dict()
foriinrange(0,len(df)):
            temp = df.loc[i]
if(temp.yearnotin data):
data[temp.year] = 0
                        data[temp.year] = data[temp.year] +
temp.passengers
        year = np.array(list(data.keys()))
passengers = np.array(list(data.values()))
```

```
plt.clf()
plt.bar(year, passengers, color ='green')
plt.xlabel('Year')          plt.ylabel('Passengers')
plt.savefig('static/graphs/img'+str(user_count)+'.png')


returnrender_template("graph.html", user_count = user_count, filename =
'graphs/img'+str(user_count)+'.png')


if__name__=="__main__":
app.run()
```

**OUTPUT 1.REGISTRATION PAGE**






**2.PACKAGES (NUMPY, MATPLOTLIB, SEABORN)**