ASSIGNMENT – 2

1) Write a flask program which should display Name, Email, phone and it should display the same details once we hit submit.

index.html

```
<!DOCTYPE html>

<html>

<head>

<title> Python</title>

</head>

<body>

<form action ="/login" method="post">

<p>Enter name:</p>

<p><input type="text" name="name"/></p>

<p>Enter phone number:</p>

<p><input type="number" name="phone"/></p>

<p>Enter email id:</p>

<p><input type="email" name="email"/></p>

<p><input type="submit" value="submit"/></p>

</form>

<p><b>{{x}} </b></p>

<p><b>{{y}} </b></p>

<p><b>{{z}} </b></p>

</body>

</html>
```

app.py

```python
from flask import Flask,render_template,request

app=Flask(__name__)

@app.route('/')

def home():

    return render_template('index.html')

@app.route('/login', methods = ["POST"])

def login():

    if request.method == "POST":

        name=request.form["name"]

        phone=request.form["phone"]

        email=request.form["email"]

        return render_template("index.html",x=name,y=phone,z=email)

if __name__==('__main__'):

    app.run(debug=True)
```
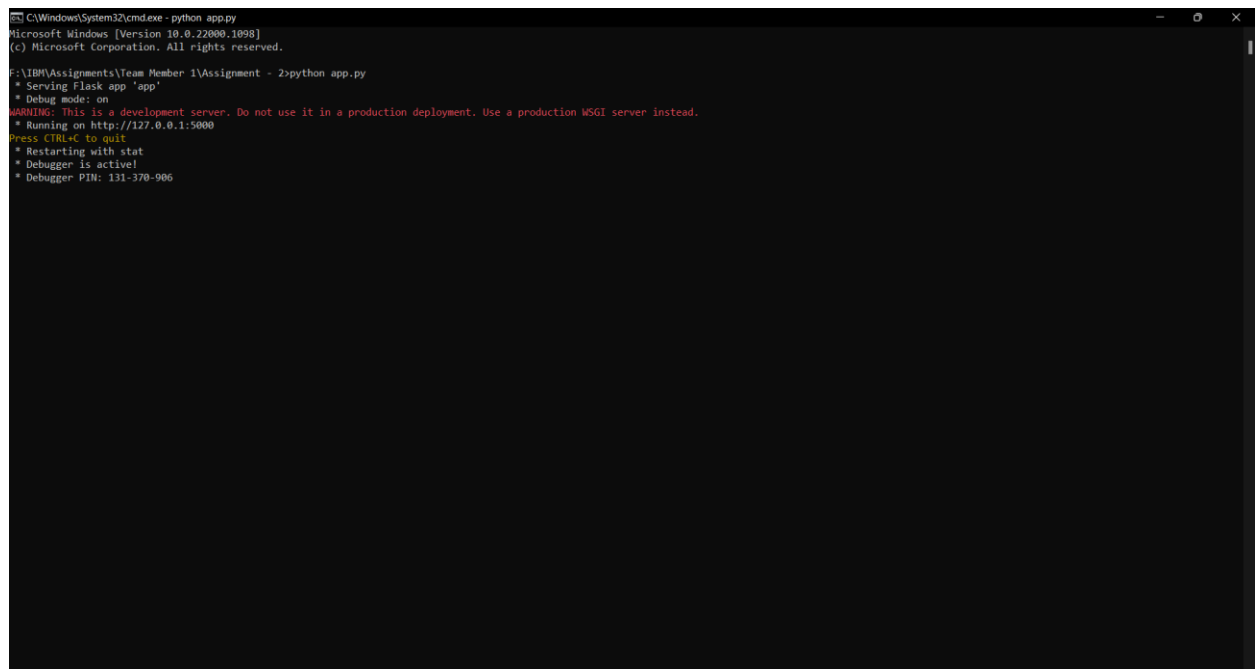
Output Screenshot:

Enter name:

Enter phone number:

Enter email id:

submit

Enter name:

durgadevi

Enter phone number:

7685948594

Enter email id:

durga@durga.com

submit

2) Write a flask program which should cover cookies, sessions

getsession.html

```
<html>
<head>
<title>getting the session</title>
</head>
<body>
<p>The session is set with value: <strong>{{name}}</strong></p>
</body>
</html>
```

session.py

```
from flask import Flask, make_response, session, render_template
app = Flask(__name__)
app.secret_key = "abc"
```

```python
@app.route('/')
def home():
    res = make_response("<h4>session variable is set, <a href='/get'>Get Variable</a></h4>")
    session['response']='session#1'
    return res;


@app.route('/get')
def getVariable():
    if 'response' in session:
        s = session['response'];
        return render_template('getsession.html',name = s)


@app.route('/cookies')
def cookie():
    res = make_response("<h1>cookie is set</h1>")
    res.set_cookie('foo','bar')
    return res

if __name__ == '__main__':
    app.run(debug = True)
```

Output Screenshot:


```
C:\Windows\System32\cmd.exe - python session.py

Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

F:\IBM\Assignments\Team Member 1\Assignment - 2>python session.py
 * Serving Flask app 'session'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 131-370-906
127.0.0.1 - - [28/Oct/2022 06:16:28] "GET / HTTP/1.1" 200 -
```


session variable is set, **Get Variable**

getting the session

localhost:5000/get

The session is set with value: **session#1**

localhost:5000/cookies

localhost:5000/cookies

cookie is set

3) Write a flask program which should display resume details and also have upload resume option by using file uploading.

upload.py

from flask import Flask, render_template, request

app = Flask(__name__)

```python
@app.route('/')
def upload():
    return render_template("upload.html")


@app.route('/success', methods = ['POST'])
def success():
    if request.method == 'POST':
        f = request.files['file']
        f.save(f.filename)
        return render_template("success.html", name = f.filename)


if __name__ == '__main__':
    app.run(debug = True)
```

upload.html

```html
<html>
<head>
   <title>upload</title>
</head>
<body>
   <form action = "/success" method = "post" enctype="multipart/form-data">
      <h1> PERSONAL DETAILS </h1>
      <p>Enter name:</p>
      <p><input type="text" name="name"/></p>
      <p>Enter phone number:</p>
      <p><input type="number" name="phone"/></p>
```

```html
<p>Enter email id:</p>
<p><input type="email" name="email"/></p>
<p>Enter CGPA:</p>
<p><input type="number" name="cgpa"/></p>
<p>Enter year of Graduation:</p>
<p><input type="month" name="grad"/></p>
<p>Enter address:</p>
<p><textarea name="file" rows="4" cols="50"></textarea></p>
<p> Upload your resume:</p>
<input type="file" name="file" />
<p><input type = "submit" value="Upload"></p>
    </form>
</body>
</html>
```

success.html

```html
<html>
<head>
<title>success</title>
</head>
<body>
<p>File uploaded successfully</p>
<p>File Name: {{name}}</p>
</body>
</html>
```

Output Screenshot:


```
C:\Windows\System32\cmd.exe - python upload.py
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

F:\IBM\Assignments\Team Member 1\Assignment - 2>python upload.py
 * Serving Flask app 'upload'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 131-370-906
```


localhost:5000

PERSONAL DETAILS

Enter name:

Enter phone number:

Enter email id:

Enter CGPA:

Enter year of Graduation:

Enter address:

Upload your resume:

Choose File No file chosen

Upload

PERSONAL DETAILS

Enter name:

durgadevi

Enter phone number:

75589484039

Enter email id:

durga@durga.com

Enter CGPA:

84

Enter year of Graduation:

May 2023

Enter address:

34, North Street,
Main Road,
Chennai

Upload your resume:

Choose File | Resume.pdf

Upload

File uploaded successfully

File Name: Resume.pdf