ASSIGNMENT-2

TEAM ID: PNT2022TMID42827

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

```html
ASSIGNMENT2(1)
  Template
    display.html
    index.html
  app.py

Template > index.html > html > body > form > div > label
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta http-equiv="X-UA-Compatible" content="IE=edge">
6       <meta name="viewport" content="width=device-width, initial-scale=1.0">
7       <title>IBM</title>
8
9   </head>
10  <body>
11      <form action="/display" method="post">
12          <div>
13              <h1>ASSIGNMENT-2(1)</h1>
14          </div>
15          <div>
16              <label for="name">Name:</label>
17              <input type="text" name="name" id="name"><br><br>
18
19          </div>
20          <div>
21              <label for="email">Email:</label>
22              <input type="email" name="email" id="email"><br><br>
23
24          </div>
25          <div>
26              <label for="phone">Phone Number:</label>
27              <input type="text" name="phone" id="phone"><br><br>
28
29          </div>
30          <button type="submit">submit</button>
31
32      </form>
33  </body>
34  </html>
```

```html
ASSIGNMENT2(1)
  Template
    display.html
    index.html
  app.py

Template > display.html > html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta http-equiv="X-UA-Compatible" content="IE=edge">
6       <meta name="viewport" content="width=device-width, initial-scale=1.0">
7       <title>Assignment</title>
8   </head>
9   <body>
10      <div>
11          <h1>SUBMISSION DETAILS</h1>
12          <table>
13              <tr>
14                  <td>Name</td>
15                  <td>{{name}}</td>
16              </tr>
17              <tr>
18                  <td>Email</td>
19                  <td>{{email}}</td>
20              </tr>
21              <tr>
22                  <td>Phone Number</td>
23                  <td>{{phone}}</td>
24              </tr>
25          </table>
26
27      </div>
28  </body>
29  </html>
```

```
app.py > ...
1    from flask import Flask, render_template,request
2    app=Flask(__name__, template_folder='template')
3    @app.route('/')
4    @app.route('/index')
5    def homepage():
6        return render_template('index.html')
7    @app.route("/display",methods=['POST','GET'])
8    def register():
9        if request.method=='POST':
10           a = request.form.get('name')
11           b = request.form.get('email')
12           c = request.form.get('phone')
13           return render_template('display.html',name=a,email=b,phone=c)
14    if __name__=="__main__":
15        app.run(debug=True)
16
```

127.0.0.1:5000

ASSIGNMENT-2(1)

Name: xxxxxxxxx

Email: user@gmail.com

Phone Number: 9876543210

submit

SUBMISSION DETAILS

Name   xxxxxxxxx
Email   user@gmail.com
Phone Number 9876543210

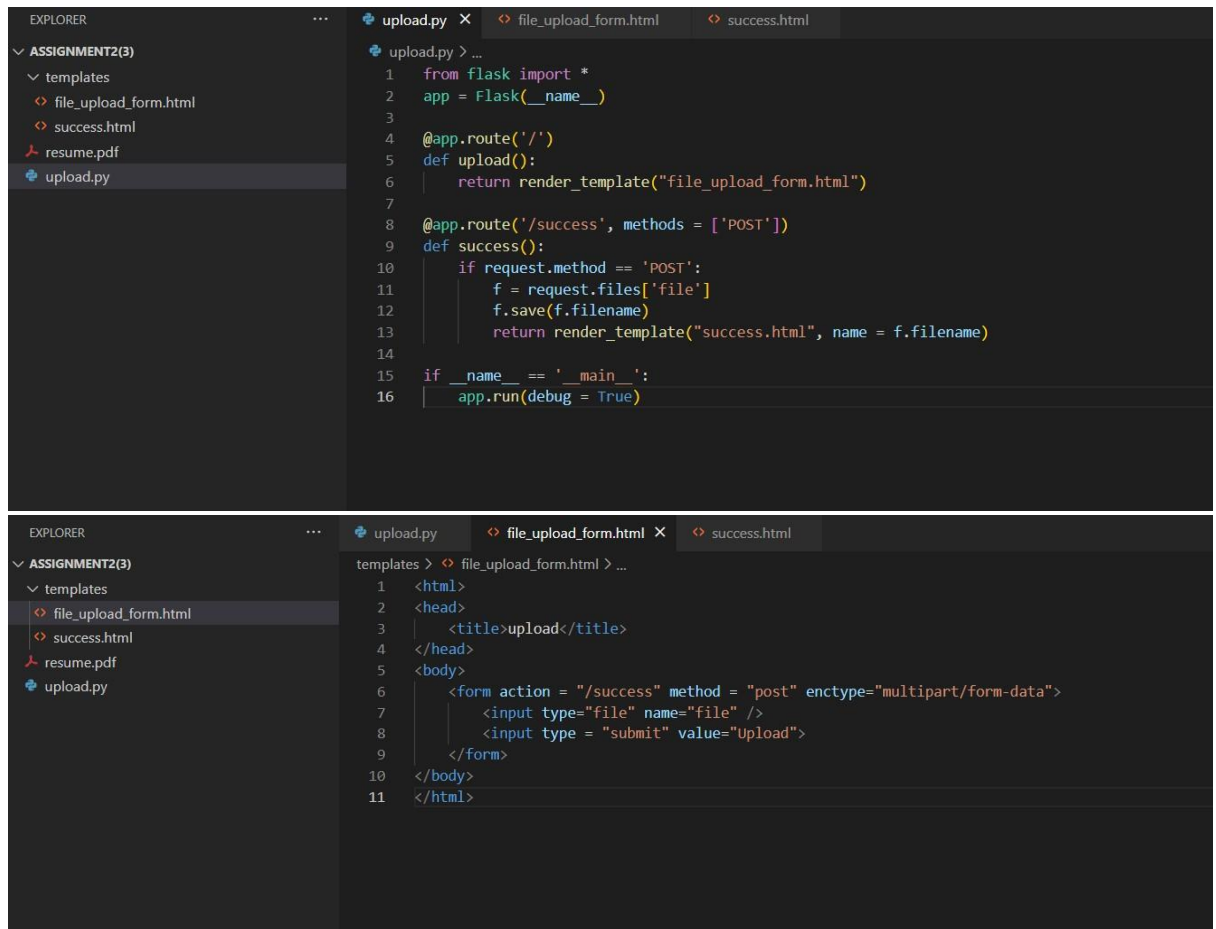## (2) Write a flask program which should cover cookies, sessions

```python
from flask import render_template, make_response, request, Flask,redirect,url_for,session
import os
app = Flask(__name__,template_folder='templates')
app.secret_key = os.urandom(24)
@app.route('/')
@app.route('/index')
@app.route('/output', methods=['POST'])
def index():
    if not (session.get('user')):
        if not request.cookies.get('choice'):
            if request.method == 'POST':
                colour = str(request.form['colour'])
                response = make_response("Setting your Cookie and Session! Please refresh the page to see the results - ")

                response.set_cookie('choice', colour)
                session['user'] = str(request.form['name'])
                return response
        else:
            response = make_response(render_template('output.html', cookie = str(request.cookies.get('choice')), user = (str(session.get('user')))))
            return redirect(url_for("output"))

    else:
        return render_template('output.html', cookie = str(request.cookies.get('choice')), user = (str(session.get('user'))))

    return render_template("index.html")

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

```
PROBLEMS    OUTPUT    TERMINAL    JUPYTER    DEBUG CONSOLE
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: 100-181-366
```

127.0.0.1:5000

Enter userID

`xxxxx`

Select your favourite colour:

`Blue`

`Login`

← → C | ⓘ 127.0.0.1:5000/output

Setting your Cookie and Session! Please refresh the page to see the results -

---

← → C | ⓘ 127.0.0.1:5000/output

Setting your Cookie and Session! Please refresh the page to see the results -

Confirm Form Resubmission

The page that you're looking for used information that you entered.
Returning to that page might cause any action you took to be repeated.
Do you want to continue?

[Continue] [Cancel]

← → C | ⓘ 127.0.0.1:5000/output

Cookie is: blue

Logged in as: xxxxx

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

```python
from flask import *
app = Flask(__name__)

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

```html
<html>
<head>
    <title>upload</title>
</head>
<body>
    <form action = "/success" method = "post" enctype="multipart/form-data">
        <input type="file" name="file" />
        <input type = "submit" value="Upload">
    </form>
</body>
</html>
```

EXPLORER

ASSIGNMENT2(3)
- templates
  - file_upload_form.html
  - success.html
- resume.pdf
- upload.py

OUTLINE
TIMELINE

```html
1   <html>
2   <head>
3   <title>success</title>
4   <style>
5       .resume{
6           width:600px;
7           padding:10px;
8           border: 3px solid  black;
9       }
10      .header{
11          text-align: center;
12          font-size: 20px;
13      }
14  </style>
15  </head>
16  <body>
17  <h1>File uploaded successfully</h1>
18  <p>File Name: {{name}}</p>
19  <form class="resume">
20  <div class="header">
21      <p><b>Name:</b>XXXXXXXX</p>
22      <p><b>Mobile Number:</b>9876543210</p>
23      <p><b>Email:</b>xxx@gmail.com</p>
24      <hr>
25  </div>
26  <div>
27      <h2>Objective</h2>
28      <p>I am seeking a role in a company where I
29  can contribute my ideas and be
30  mentored towards a successful career.</p><hr>
31  </div>
32  <div>
33      <h2>Education</h2>
34      <p>2019-2023</p>
35      <p>Bachelor of Engineering(CSE)</p>
36      <p>Saranathan College of Engineering</p>
37      <p><b>CGPA:</b>9.2</p><hr>
```

EXPLORER

ASSIGNMENT2(3)
- templates
  - file_upload_form.html
  - success.html
- resume.pdf
- upload.py

```html
38  </div>
39  <div>
40      <h2>Technical Skills</h2>
41      <ul>
42          <li>Python</li>
43          <li>C and C++</li>
44          <li>HTML and CSS</li>
45      </ul><hr>
46  </div>
47  <div>
48      <h2>Personal Traits</h2>
49      <ul>
50          <li>Team work</li>
51          <li>Adaptability</li>
52          <li>Time Management</li>
53      </ul><hr>
54  </div>
55  <div>
56      <h2>Certifications</h2>
57      <ul>
58      <li>Certified in Programming in C and C++ from Internshala
59      </li>
60      <li>Certified in Python from Great Learning</li></ul>
61  </div>
62  </form>
63  </body>
64  </html>
```
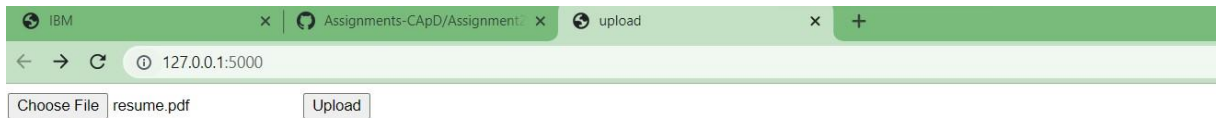
Choose File | resume.pdf   Upload

File uploaded successfully

File Name: resume.pdf

Name:XXXXXXXX

Mobile Number:9876543210

Email:xxx@gmail.com

Objective

I am seeking a role in a company where I can contribute my ideas and be mentored towards a successful career.

Education

2019-2023

Bachelor of Engineering(CSE)

Saranathan College of Engineering

CGPA:9.2

Technical Skills

- Python
- C and C++
- HTML and CSS

Personal Traits

- Team work
- Adaptability
- Time Management

Certifications

- Certified in Programming in C and C++ from Internshala
- Certified in Python from Great Learning