ASSIGNMENT 2

DATE	15.10.2022
TEAM ID	PNT2022TMID45910
PROJECT NAME	NUTRITION ASSITANT APPLICATION
MAXIMUM MARKS	10 MARKS

QUESTION NO: 1

Write a flask program which should display Name,Email,phone andit should display the same details once we hit submit

SOLUTION :

index.py

```
      from flask import Flask, render_template, request, redirect, url_for, abort

app = Flask(__name__)
@app.route("/")
def output():
    return render_template("/index.html")
@app.route("/index", methods=["POST","GET"])
def index():
    if (request.method == "POST"):
        user = request.form.get("user")
        if (user == "admin"):
            return redirect(url_for("admin"))
        elif (user == "end"):
            abort(503)
        mail = request.form.get("mail")
        number = request.form.get("number")
        return render_template("/output.html", user=user, mail=mail, number=number)
@app.route("/admin")
def admin():
    return render_template("/admin.html")
if __name__ == "__main__":
    app.run(debug = True)
```

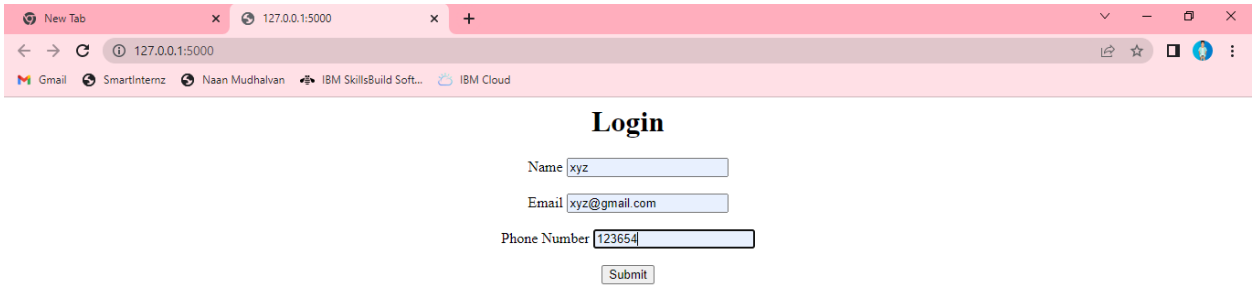
index.html

```
<html>
<body>
<center>
    <h1>Login</h1>
<form action="/index" method="post">
Name
<input type="text" name="user" placeholder="Enter your name">
<br><br>
Email
<input type="text" name="mail"placeholder="Enter your email">
<br><br>
Phone Number
<input type="text" name="number"placeholder="Enter your number">
<br>
<br>
<input type="Submit">
</form></center>
</body>
</html>
```

output.html

```
<html>
<body><center>
Name: {{user}}
<br>
Email: {{mail}}</p>
<br>
Phone Number: {{number}}
</center>
</body>
</html>
```

Output


New Tab
127.0.0.1:5000
127.0.0.1:5000
Gmail
SmartInternz
Naan Mudhalvan
IBM SkillsBuild Soft...
IBM Cloud
Login
Name xyz
Email xyz@gmail.com
Phone Number 123654
Submit

New Tab
127.0.0.1:5000/index
127.0.0.1:5000/index
Gmail
SmartInternz
Naan Mudhalvan
IBM SkillsBuild Soft...
IBM Cloud
Name: xyz
Email: xyz@gmail.com
Phone Number: 123654

QUESTION 2:

Write a flask program which should cover cookies,sessions

SOLUTION:

cookies.py

```
from flask import *

app = Flask(__name__)

@app.route('/error')
def error():
    return "<p><strong>Enter correct password</strong></p>"

@app.route('/')
def login():
    return render_template("login.html")

@app.route('/success',methods = ['POST'])
def success():
    if request.method == "POST":
        email = request.form['email']
        password = request.form['pass']

    if password=="123":
        resp = make_response(render_template('success.html'))
        resp.set_cookie('email',email)
        return resp
    else:
        return redirect(url_for('error'))

@app.route('/viewprofile')
def profile():
    email = request.cookies.get('email')
    resp = make_response(render_template('profile.html',name = email))
    return resp

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

login.html

```
<html>
<head>
    <title>login</title>
</head>
<body><center>
    <form method = "post" action = "http://localhost:5000/success">
        <table>
            <tr><td>Email</td><td><input type = 'email' name = 'email'></td></tr>
            <tr><td>Password</td><td><input type = 'password' name = 'pass'></td></tr>
            <tr><td><input type = "submit" value = "Submit"></td></tr>
        </table>
    </form>
</center>
</body>
</html>
```

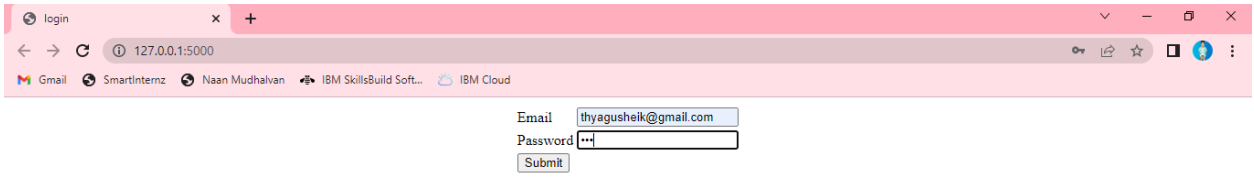
profile.html

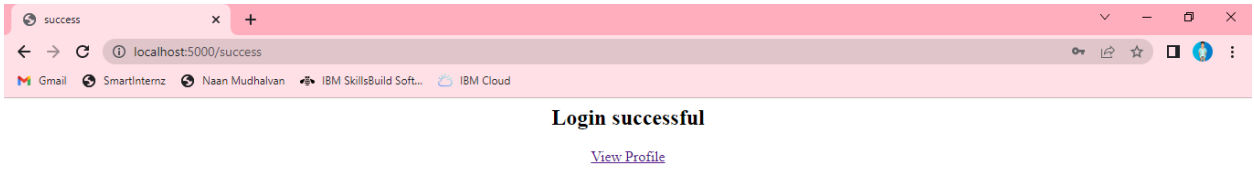
```
<html>
<head>
    <title>profile</title>
</head>
<body> <center>
    <h3>Hi, {{name}}</h3>
</center>
</body>
</html>
```

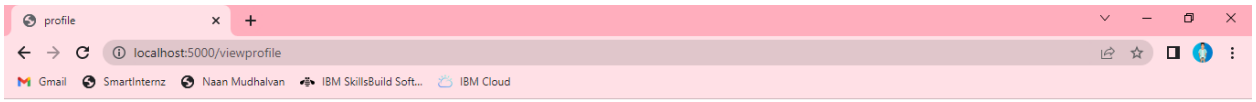
success.html

```
<html>
<head>
<title>success</title>
</head>
<body><center>
    <h2>Login successful</h2>
    <a href="/viewprofile">View Profile</a>
</center>
</body>
</html>
```

Output:


login
127.0.0.1:5000
Gmail
SmartInternz
Naan Mudhalvan
IBM SkillsBuild Soft...
IBM Cloud
Email
thyagusheik@gmail.com
Password
Submit


success
localhost:5000/success
Gmail
SmartInternz
Naan Mudhalvan
IBM SkillsBuild Soft...
IBM Cloud
Login successful
View Profile



Hi, thyagusheik@gmail.com

SESSIONS

session.py

```
from flask import Flask, session

app = Flask(__name__)
app.secret_key = 'app secret key'

@app.route('/')
def index():
    if 'counter' in session:
        session['counter'] += 1
    else:
        session['counter'] = 1
    return 'Counter: '+str(session['counter'])

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

OUTPUT:

127.0.0.1:5000
127.0.0.1:5000
Gmail
SmartInternz
Naan Mudhalvan
IBM SkillsBuild Soft...
IBM Cloud

Counter: 2

QUESTION 3:

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

SOLUTION:

upload.py

```
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)
```

file_upload_form.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 Resume">
    </form>
</body>
</html>
```

success.html

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

```
</html>
```

OUTPUT:

127.0.0.1:5000
upload
127.0.0.1:5000
Gmail
SmartInternz
Naan Mudhalvan
IBM SkillsBuild Soft...
IBM Cloud
Choose File
No file chosen
Upload Resume

127.0.0.1:5000
upload
127.0.0.1:5000
Gmail
SmartInternz
Naan Mudhalvan
IBM SkillsBuild Soft...
IBM Cloud
Choose File
resume.pdf
Upload Resume