Assignment Date	18-11-2022
Student Name	ASHIKA P
Student Roll Number	962219104024
Maximum Marks	2 marks

Question-1

Write a flask program which should display Name, Email, phone and it should display the same details once we click submit

Solution:

app.html

```html
<html>
<head>
<title>User Registration</title>
<style>
td {
line-height: 2.1;
}
</style>
</head>
<body>
<center>
<form action="/login" method="post">
<br/>
<br />
<h2>Assignment - 2</h2>
<table>
<tr>
<td>
<label for="uname"><b>Username:</b></label>
</td>
<td>
<input type="text" name="uname" id="uname" />
</td>
</tr>
<tr>
<td>
<label for="email"><b>Email:</b></label>
</td>
<td>
<input type="email" name="email" id="email" />
</td>
</tr>
```

```html
<tr>
<td>
<label for="phone"><b>Phone number:</b></label>
</td>
<td>
<input type="tel" id="phone" name="phone" pattern="[0-9]{10}"
/>
</td>
<td></td>
</tr>
<tr>
<td colspan="2">
<center>
<br />
<button type="submit">Submit</button>
</center>
</td>
</tr>
</table>
</form>
</center>
</body>
</html>
```

app1.html

```html
<html>
<head>
<title>User Registration</title>
<style>
td {
line-height: 2.1;
}
</style>
</head>
<body>
<center>
<form action="/login" method="post">
<br />
<br />
<h2>Assignment - 2</h2>
<table>
<tr>
<td>
<label for="uname"><b>Username:</b></label>
</td>
<td>{{username}}</td>
</tr>
```

```html
<tr>
<td>
<label for="email"><b>Email:</b></label>
</td>
<td>{{email}}</td>
</tr>
<tr>
<td>
<label for="phone"><b>Phone number:</b></label>
</td>
<td>{{phone}}</td>
</tr>
<tr>
<td colspan="2">
<center>
<br />
<input type="Submit" value="submit" />
</center>
</td>
</tr>
</table>
</form>
</center>
</body>
</html>
```

app.py

```python
from flask import Flask, render_template,request
app = Flask(__name__)

@app.route('/')
def home():
    return render_template('app.html')
@app.route('/login',methods=["POST"])
def login():
    if request.method=="POST":
        uname = request.form["uname"]
        email = request.form["email"]
        phone = request.form["phone"]
        return
render_template("app1.html",username=uname,email=email,phone=phone)

if __name__ =='__main__':
    app.run(debug = True)
```
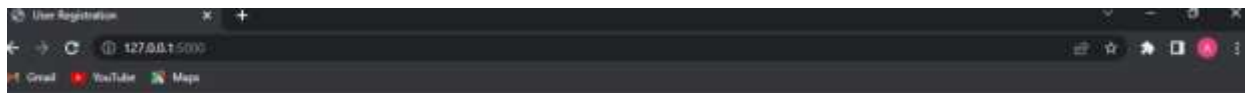
Question-2:

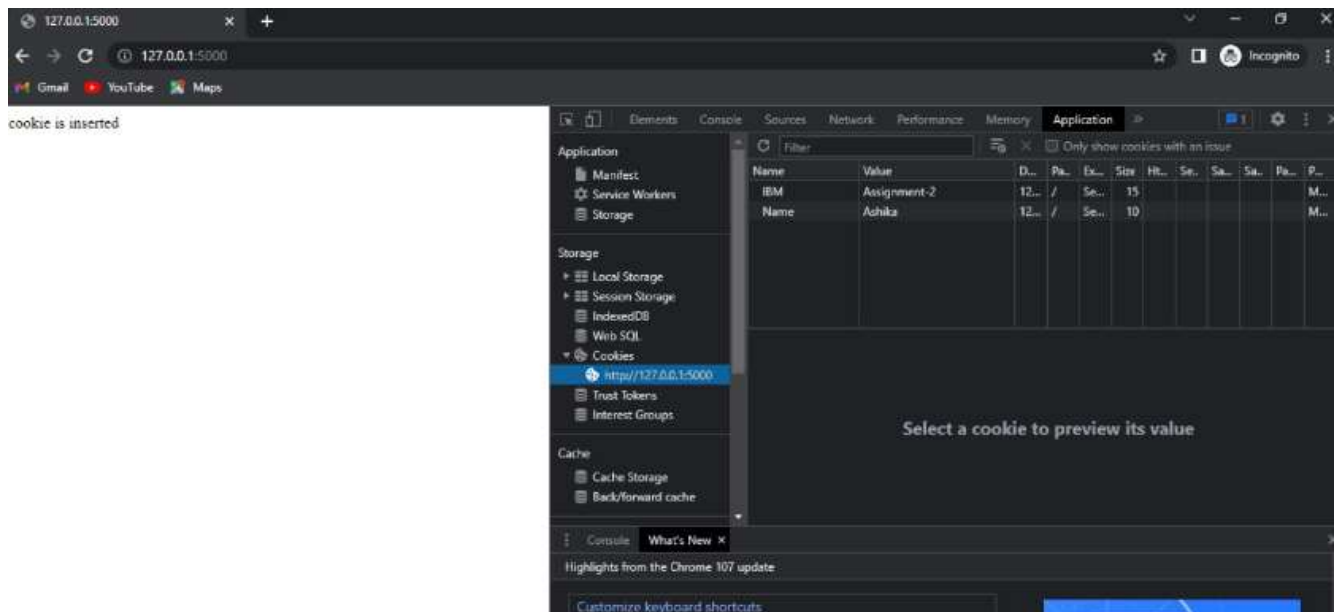Write a flask program which should cover cookies, sessions.

Solution:

Cookies.py

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

@app.route('/')
def setcookie():
    res = make_response("cookie is inserted")
    res.set_cookie('Name','Ashika ')
    res.set_cookie('IBM','Assignment-2')
    res.set_cookie('Project name','Nutrition Assistant Application')
    return res

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

Sessions.py

```python
from flask import Flask, render_template, redirect, request, session
from flask_session import Session

app = Flask(__name__)
app.config["SESSION_PERMANENT"] = False
app.config["SESSION_TYPE"] = "filesystem"
Session(app)

@app.route("/")
def index():
    if not session.get("name"):
        return redirect("/login")
    return render_template('index.html')

@app.route("/login", methods=["POST", "GET"])
def login():
    if request.method == "POST":
        session["name"] = request.form.get("name")
        return redirect("/")
    return render_template("login.html")

@app.route("/logout")
def logout():
    session["name"] = None
```

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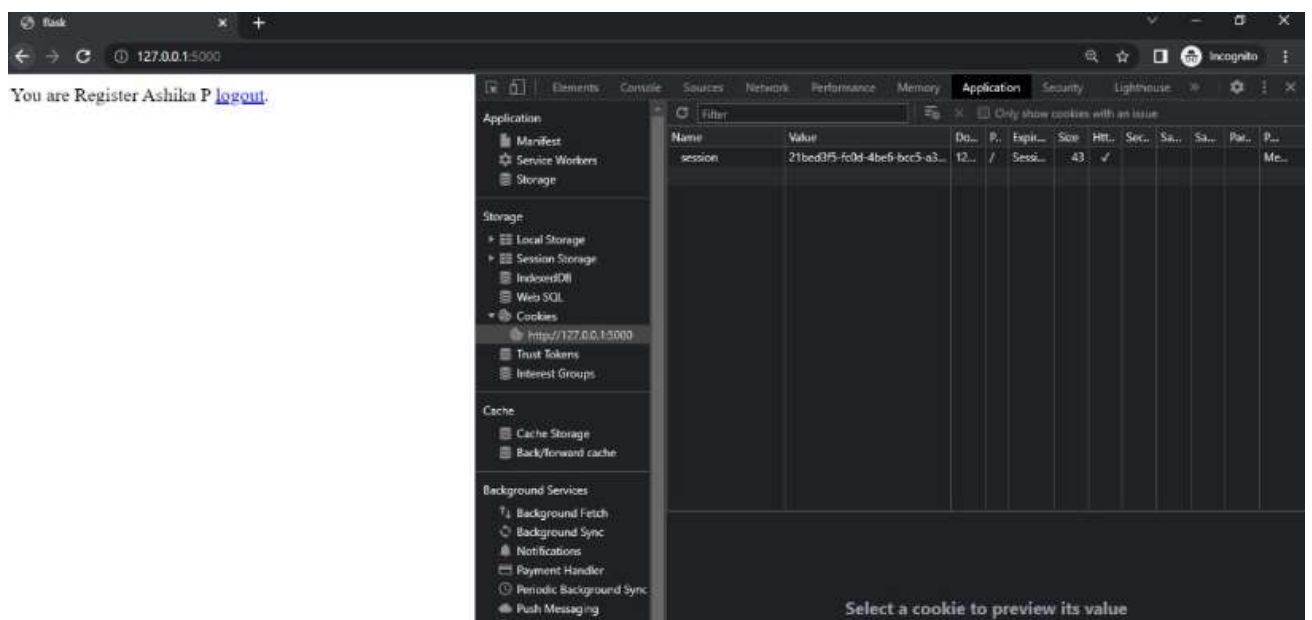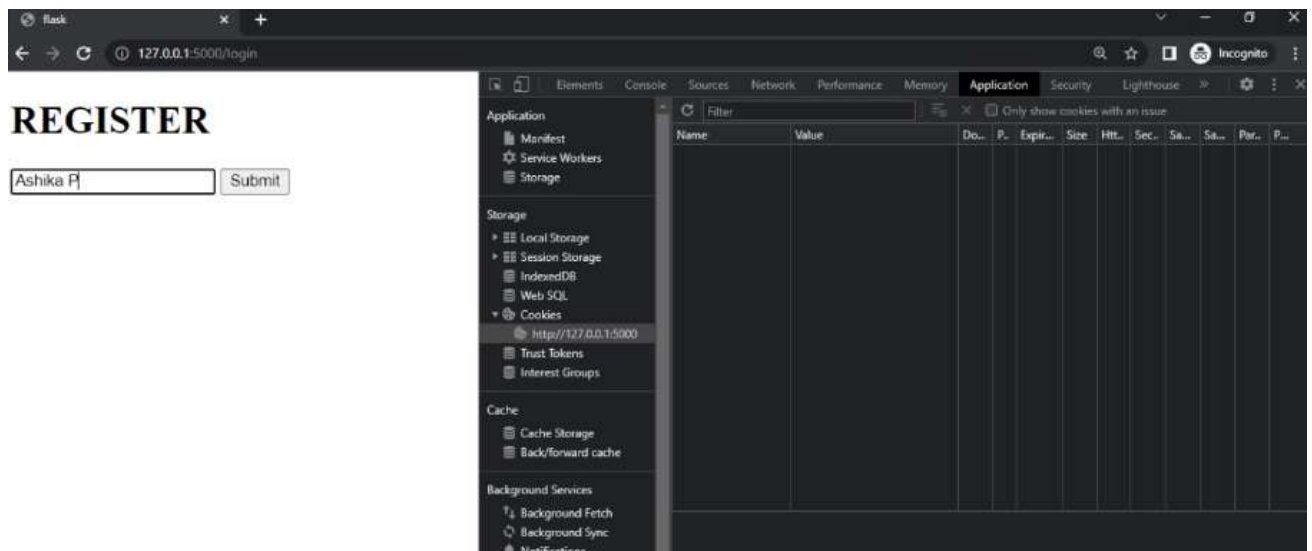```

**index.html**

```
{% extends "layout.html" %}
{% block y %}
{% if session.name %}
You are Register {{ session.name }} <a href="/logout">logout</a>.
{% else %}
You are not Register. <a href="/login">login</a>.
{% endif %}
{% endblock %}
```

login.html

```
{% extends "layout.html" %}
{% block y %}
<h1> REGISTER </h1>
<form action="/login" method="POST">
<input placeholder="Name" autocomplete="off" type="text" name="name">
<input type="submit" name="Register">
</form>
{% endblock %}
```

layout.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta name="viewport" content="initial-scale=1, width=device-width">
<title> flask </title>
</head>
<body>
{% block y %}{% endblock %}
</body>
</html>
```

Question-3:

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

resume.html

```
<!DOCTYPE html>
<html>
<head>
<title>Assignment 2</title>
<style>
```

```html
tr {
line-height: 2.1;
}
</style>
</head>
<body>
<center>
<h3>ASSIGNMENT 2<br><br>FILE UPLOAD - RESUME</h3>
<div>
<form action ="/upload" method="POST" enctype="multipart/form-data">
<b><label>Upload the Resume</label><br><br></b>
<input type ="file" name ="file"/>
<input type ="submit" value="Save"/>
</div>
<div>
<form action = "/upload" method = "post">
<table>
<tr><th></th><th></th></tr>
<tr><td><label> Name : </label></td>
<td><input type="text" name="name" placeholder="Enter Name" required
></td></tr>
<td><label> Date of Birth : </label></td>
<td><input type="date" name="dob" placeholder="Enter DOB" required></td></tr>
<tr><td><label> Email : </label></td>
<td><input type="text" name="email" placeholder="Enter Email"
required></td></tr>
<tr><td><label> College Name :   </label></td> <td><input
type="text" name="clg" placeholder="Enter College Name" required></td></tr>
<tr>
<td><label>Qualification</label></td>
<td><select id="qua" name="deg">
<option value="none" selected disabled hidden>Select the
Degree</option>
<option value="B.E">B.E</option>
<option value="B.Tech">B.Tech</option>
<option value="B.Sc">B.Sc</option>
<option value="B.A">B.A</option></select></td></tr>
<td><label> CGPA in %: </label></td>
<td><input type="number" length="2" name="cgpa" placeholder="Enter
CGPA" required></td></tr>
<td><label> Year : </label></td>
<td><input type="date" name="year" placeholder="Year of Completion"
required></td></tr>
<tr>
<td><label>Language</label></td>
<td><select id="lan" name="lan">
<option value="none" selected disabled hidden>Select the Skill</option>
<option value="Python">Python</option>
```

```html
<option value="C/ C++">C/ C++</option>
<option value="Javascript">Javascript</option>
<option value="HTML & CSS">HTML & CSS</option>
<option value="Java">Java</option>
</select></td></tr>
<tr><td colspan=2><center>
<input type="submit" name="submit"></center></td></tr>
</form></div>
</table>
</center>
</body> </html>
```

displayResume.html

```html
<!DOCTYPE html>
<html>
<head>
<title>Assignment 2</title>
<style>
tr {
line-height: 2.1;
}
</style>
</head>
<body>
<center>
<h3> RESUME</h3>
<table>
<tr><td>Name</td> <td><b>{{a}}</b></td></tr>
<tr><td>Date of Birth</td> <td><b>{{b}}</b></td></tr>
<tr><td>Email</td> <td><b>{{c}}</b></td></tr>
<tr><td>College Name    </td>
<td><b>{{d}}</b></td></tr>
<tr><td>Qualification</td> <td><b>{{e}}</b></td></tr> <tr><td>CGPA in %</td>
<td><b>{{f}}</b></td></tr>
<tr><td>Year</td> <td><b>{{g}}</b></td></tr>
<tr><td>Language</td> <td><b>{{h}}</b></td></tr>
<tr><td>Resume</td> <td><b>{{y}}</b></td></tr>
</center>
</body> </html>
```
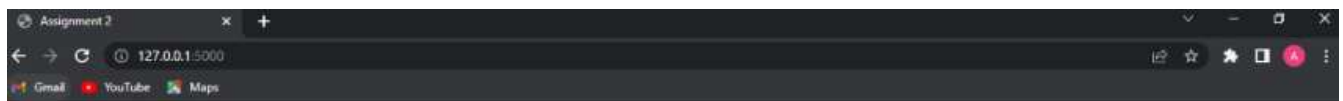
fileUpload.py

```python
from flask import Flask,render_template,request
from werkzeug.utils import secure_filename
app = Flask(__name__)
@app.route('/')
def file():
```

```
return render_template('resume.html')
@app.route('/upload', methods=['GET','POST'])
def flk_up():
if request.method=='POST':
fl= request.files['file']
fl.save(secure_filename(fl.filename))
a=request.form.get('name')
b=request.form.get('dob')
c=request.form.get('email')
d=request.form.get('clg')
e=request.form.get('deg')
f=request.form.get('cgpa')
g=request.form.get('year')
h=request.form.get('lan')
return
render_template("displayResume.html",a=a,b=b,c=c,d=d,e=e,f=f,g=g,h=h,y=fl.file
name)
if __name__=='__main__':
app.run(debug = True)
```

RESUME

Name	**Ashika P**
Date of Birth	**2001-11-15**
Email	**ashika.101924@sxcce.edu.in**
College Name	**ABC**
Qualification	**B.E**
CGPA in %	**8**
Year	**2023-05-15**
Language	**HTML & CSS**
Resume	**AshikaResume.pdf**