ASSIGNMENT 2

Assignment Date	14 th September 2022
Student Name	Insalatta Priyadharshini S
Student Roll Number	950819104017
Maximum Marks	2 Marks

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

Solution

display.py

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


@app.route('/')
def home():
    return render_template('details.html')


@app.route('/display',methods=['POST'])
def display():
    name = request.form['name']
    email = request.form['email']
    phone = request.form['phone']
    str = "Name : "+name+"<br>Email : "+email+"<br>Phone : "+phone
    return str


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

templates/details.html

```html
<!DOCTYPE html>
<html>
    <head>
        <meta charset="utf-8">
        <style>
            body{
                display:flex;
                justify-content:center;
                align-items:center;
                flex-direction:column;
            }
            form{
                display:flex;
                flex-direction:column;
                justify-content:center;
                align-items:center;
```

```
                padding:20px;
                border:1px solid black;
            }
            header{
                font-size:30px;
                padding:10px;
            }
        </style>
    </head>
    <body>

        <form action="/display" method="POST">
            <header>Details<hr></header>
            <div>
                <label>Name : </label><br><br>
                <input name="name" id="name" type="text" />
            </div><br>
            <div>
                <label>Email ID :</label><br><br>
                <input name="email" id="email" type="text" />
            </div><br>
            <div>
                <label>Phone Number : </label><br><br>
                <input name="phone" id="phone" type="text" />
            </div><br>
            <input type="submit" value="Submit"/>
        </form>
    </body>
</html>
```

Output:

Details

Name :

Insalatta Priyadharshini S

Email ID :

insalattapriya@gmail.com

Phone Number :

07598228504

Submit

Name : Insalatta Priyadharshini S
Email : insalattapriya@gmail.com
Phone : 07598228504

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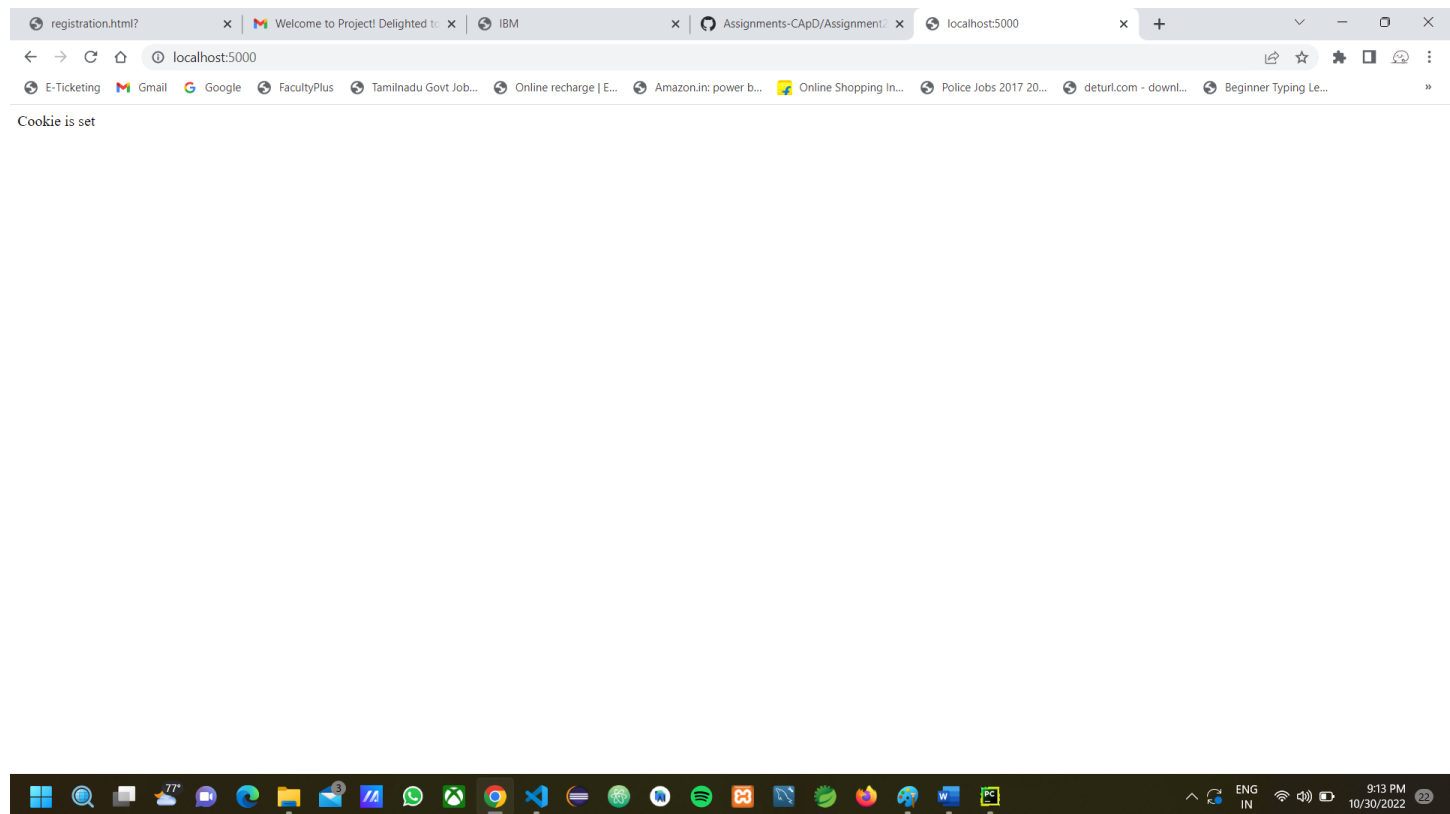
Solution:

Cookies

cookies.py

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

@app.route('/')
def setCookie():
    res = make_response("Cookie is set")
    res.set_cookie('Flask','Framework')
    return res

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

Output:

Cookie is set

Session

session.py

```python
from flask import Flask, render_template, redirect, request, session
# The Session instance is not used for direct access, you should always use flask.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)
```

templates/index.html

```html
<!DOCTYPE html>
<html>
    <head>
        <meta charset="UTF-8">
    </head>
    <body>
        <div>You are registered {{session.name}}</div><a href="/logout" >logout</a>

    </body>
</html>
```

templates/login.html

```html
<!DOCTYPE html>
<html>
    <head>
        <meta charset="UTF-8">
    </head>
    <body>
    <h1> REGISTER </h1>

    <form action="/login" method="POST">
        <input placeholder="Name" autocomplete="off" type="text" name="name">
        <input type="submit" name="Register">
    </form>

    </body>
</html>
```
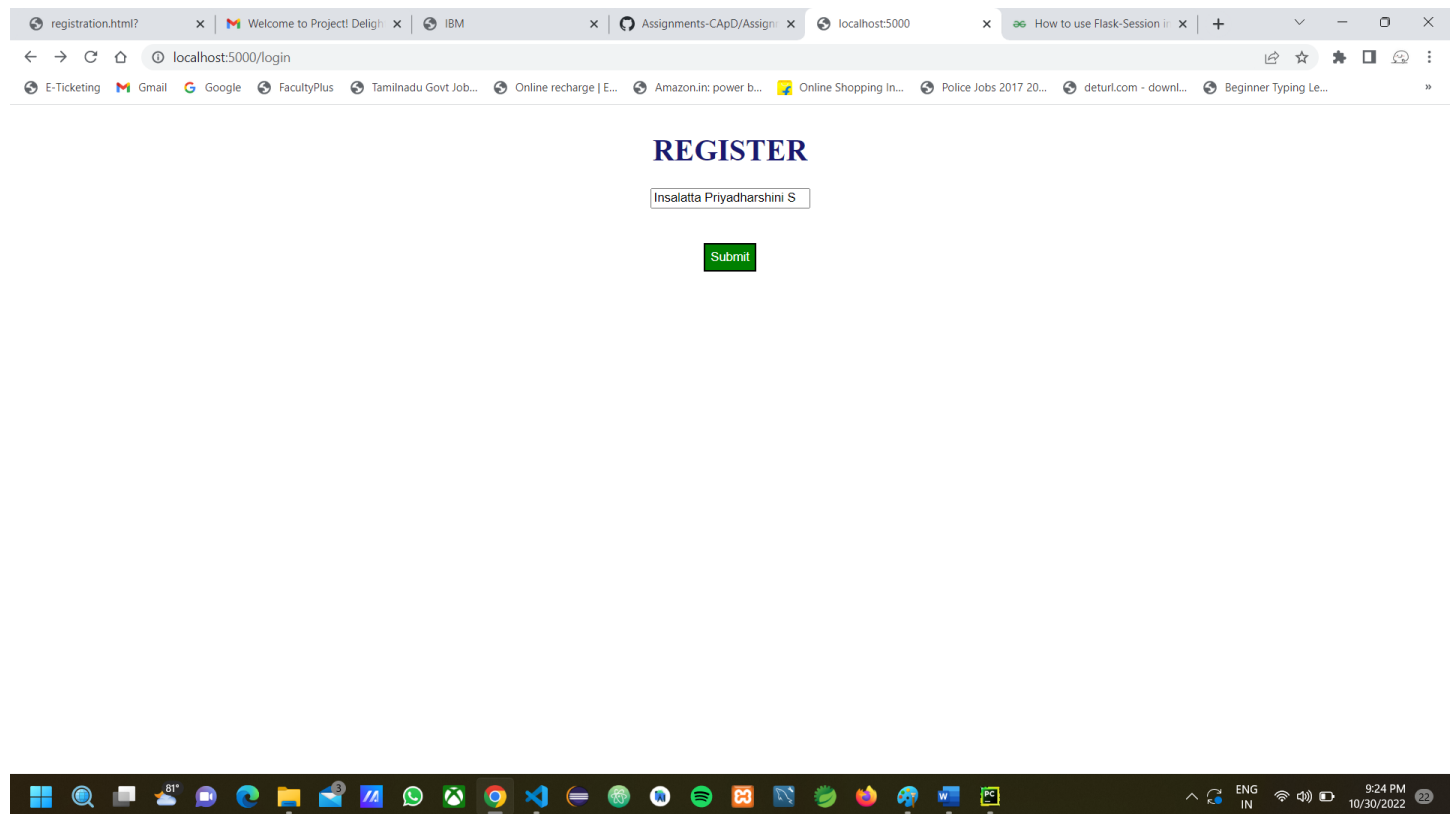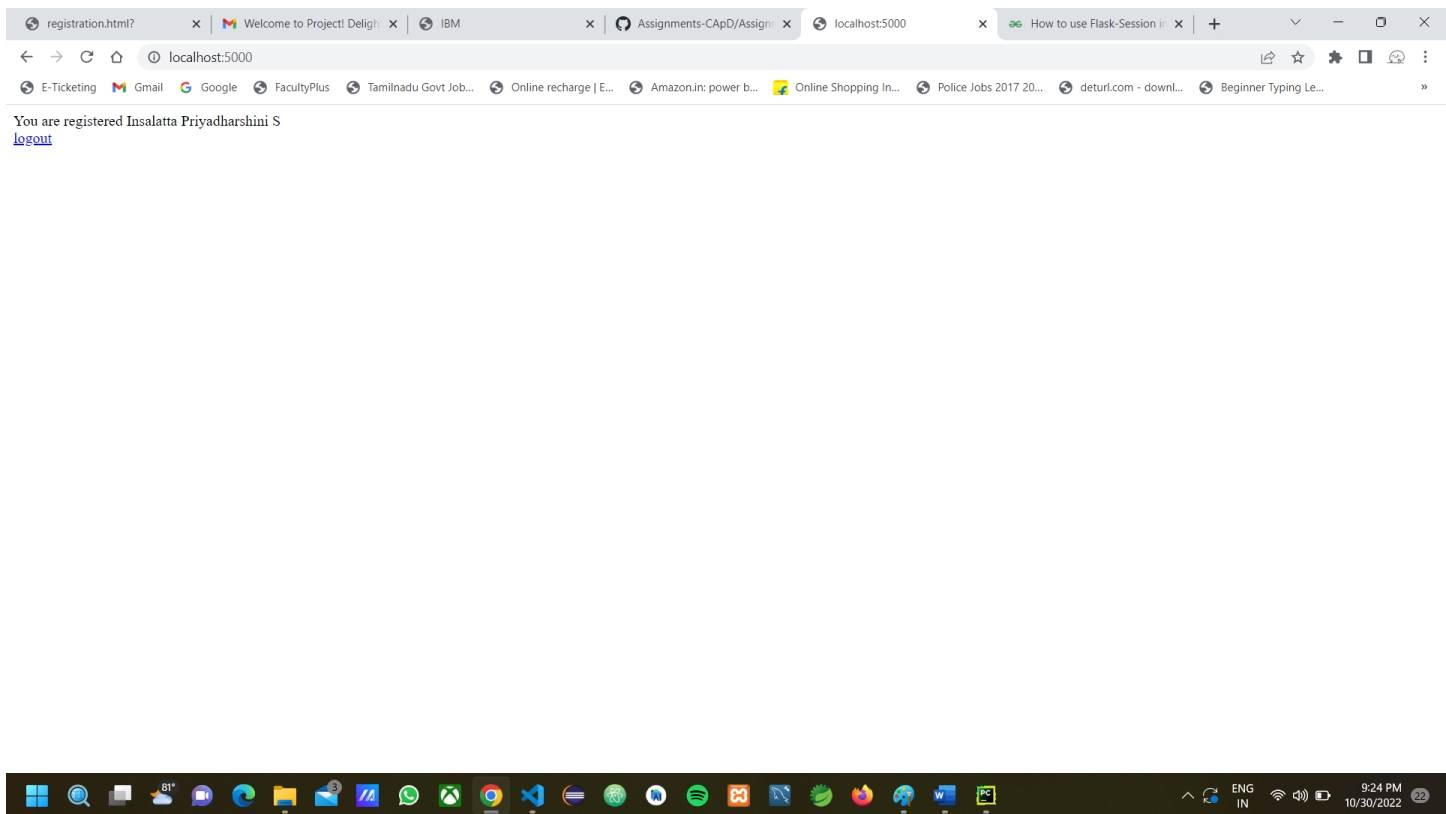
Output:

REGISTER

Insalatta Priyadharshini S

Submit

You are registered Insalatta Priyadharshini S
logout

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

Solution:

resume.py

```python
from flask import Flask,request,render_template
from werkzeug.utils import secure_filename
app = Flask(__name__)

@app.route('/')
def home():
    return render_template('resume.html')

@app.route('/upload',methods=['POST'])
def fileUpload():
    f = request.files['file']
    f.save(secure_filename(f.filename))
    return "File Uploaded Successfully"

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

templates/resume.html

```html
<!DOCTYPE html>
<html>
    <head>
        <meta charset="UTF-8">
        <style>
            body{
                font-family:Helvetica;
                display:flex;
                justify-content:center;
                align-items:center;
                flex-direction:column;
            }
            .resume{
                padding:10px;
                width:800px;
                border:3px solid black;
            }
            div{
                text-align:justify;
            }
            div,a,li{
                padding:5px;
            }
            .header{
                text-align:center;
            }
            .right{
                margin-left:20px;
            }
            .file{
                padding:10px;
                margin:10px;
            }
            .submit{
                text-align:center;
            }
        </style>
    </head>
    <body>
        <form method="POST" action="/upload" enctype="multipart/form-data">
            <label ><b>Upload Resume : </b></label>
            <input class="file" name="file" type="file" value="Upload" /><br>
            <div class="submit">
                <input class="file" type="submit" value="Upload">
            </div>
        </form>
        <form class="resume">
            <div class="header">
                <h1>Insalatta Priyadharshini S</h1><hr>
```

```html
            <div><b>Address :</b> 11B, Masilla Street, Nazareth - 628617</div>
            <div><b>Phone :</b>7598228504</div>
            <div><b>Email :</b>insalattapriya@gmail.com</div>
        </div>
        <div>
            <h2>Summary</h2>
            <div class="right">A self-motivated, hard-working and positive student
looking for a fresher position. I am looking to explore
mycareer options in IT sector which provides an opportunity to expand my knowledge as a
computer science
graduate.
            </div>
        </div>
        <div>
            <h2>Education</h2>
            <div class="right">
                <h3>Government College of Engineering, Tirunelveli</h3>
                <div>Bachelor of Engineering - BE, Computer Science</div>
                <div>2019 - 2023</div>
                <h3>CGPA : 9.247</h3>
            </div>
            <div class="right">
                <h3>St.John's Girls Hr Sec School</h3>
                <div>HSC, Maths Biology</div>
                <div>Jun 2017 - Mar 2019</div>
                <h3>Percentage : 90%</h3>
            </div>
            <div class="right">
                <h3>St.John's Girls Hr Sec School</h3>
                <div>SSC</div>
                <div>Jun 2016 - Mar 2017</div>
                <h3>Percentage : 97.2%</h3>
            </div>
        </div>
        <div>
            <h2>License And Certifications</h2>
            <ul>
                <li>Responsive Web Design - freeCodeCamp</li>
                <li>Javascript Algorithms and Data Structures - freeCodeCamp</li>
                <li>Accenture Nordic Developer Program - Accenture</li>
                <li>Programming in Java - NPTEL</li>
            </ul>
        </div>
        <div>
            <h2>Skills</h2>
            <ul>
                <li>Java</li>
                <li>SQL</li>
                <li>SpringBoot</li>
                <li>Hibernate</li>
```

```html
                    <li>REST Api</li>
                    <li>Javascript</li>
                    <li>HTML5</li>
                    <li>CSS3</li>
                    <li>Responsive Web Design</li>
                </ul>
            </div>
            <div>
                <h2>Projects</h2>
                <div class="right">
                    Done a mini project on Student Ranking System using React js, Spring Boot
, REST API and
MySQL database.
                </div>
                <div class="right">
                    Done a mini project on EBook Management System as a desktop application
using Java, Swing,
JDBC and Derby database .
                </div><br>
                <div class="right"><b>Animated Penguin</b></div>
                <a class="right" href="https://insalatta.github.io/penguin/">View
project</a><br>
                <div class="right"><b>Messaging Website</b></div>
                <a class="right" href="https://insalatta.github.io/Messaging-Website-
Model/">View project</a><br>
                <div class="right"><b>Sign-In page</b></div>
                <a class="right" href="https://insalatta.github.io/SignInPage/">View
project</a>
            </div>
        </form>

    </body>
</html>
```

Output:

Upload Resume : Choose File No file chosen

Upload

Insalatta Priyadharshini S

Address : 11B, Masilla Street, Nazareth - 628617
Phone : 7598228504
Email : insalattapriya@gmail.com

Summary

A self-motivated, hard-working and positive student looking for a fresher position. I am looking to explore mycareer options in IT sector which provides an opportunity to expand my knowledge as a computer science graduate.

Education

Government College of Engineering, Tirunelveli

Bachelor of Engineering - BE, Computer Science
2019 - 2023

CGPA : 9.247

St.John's Girls Hr Sec School

HSC, Maths Biology
Jun 2017 - Mar 2019

Percentage : 90%

License And Certifications

- Responsive Web Design - freeCodeCamp
- Javascript Algorithms and Data Structures - freeCodeCamp
- Accenture Nordic Developer Program - Accenture
- Programming in Java - NPTEL

Skills

- Java
- SQL
- SpringBoot
- Hibernate
- REST Api
- Javascript
- HTML5
- CSS3
- Responsive Web Design

Projects

Done a mini project on Student Ranking System using React js, Spring Boot , REST API and MySQL database.

Done a mini project on EBook Management System as a desktop application using Java, Swing, JDBC and Derby database .

Animated Penguin
View project
Messaging Website
View project
Sign-In page
View project