

ASSIGNMENT 2

Assignment Date	14 th September 2022
Student Name	VETRIVEL A
Student Roll Number	950819104050
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

```
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

```
<!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:

registration.html? x | (no subject) - insalattapriya x | IBM x | Assignments-CAPD/Assign x | localhost:5000 x | How to use Flask-Session in x | + - □ ×

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Details

Name :

Email ID :

Phone Number :

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Name : Bharathi G
Email : gbvelan2002@gmail.com
Phone : 7598228504

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

Solution:

Cookies

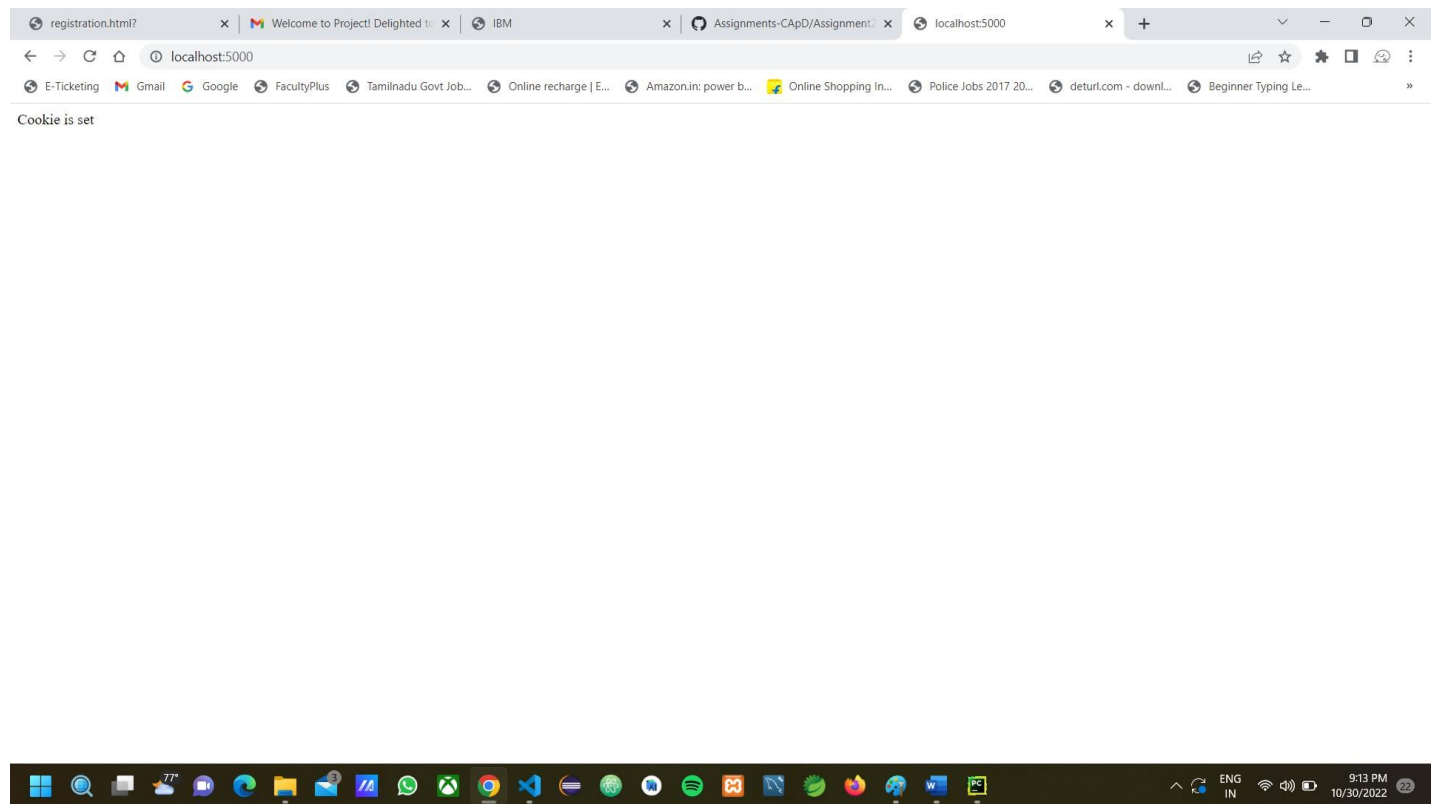
cookies.py

```
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:



Session

session.py

```
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

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

  </body>
</html>
```

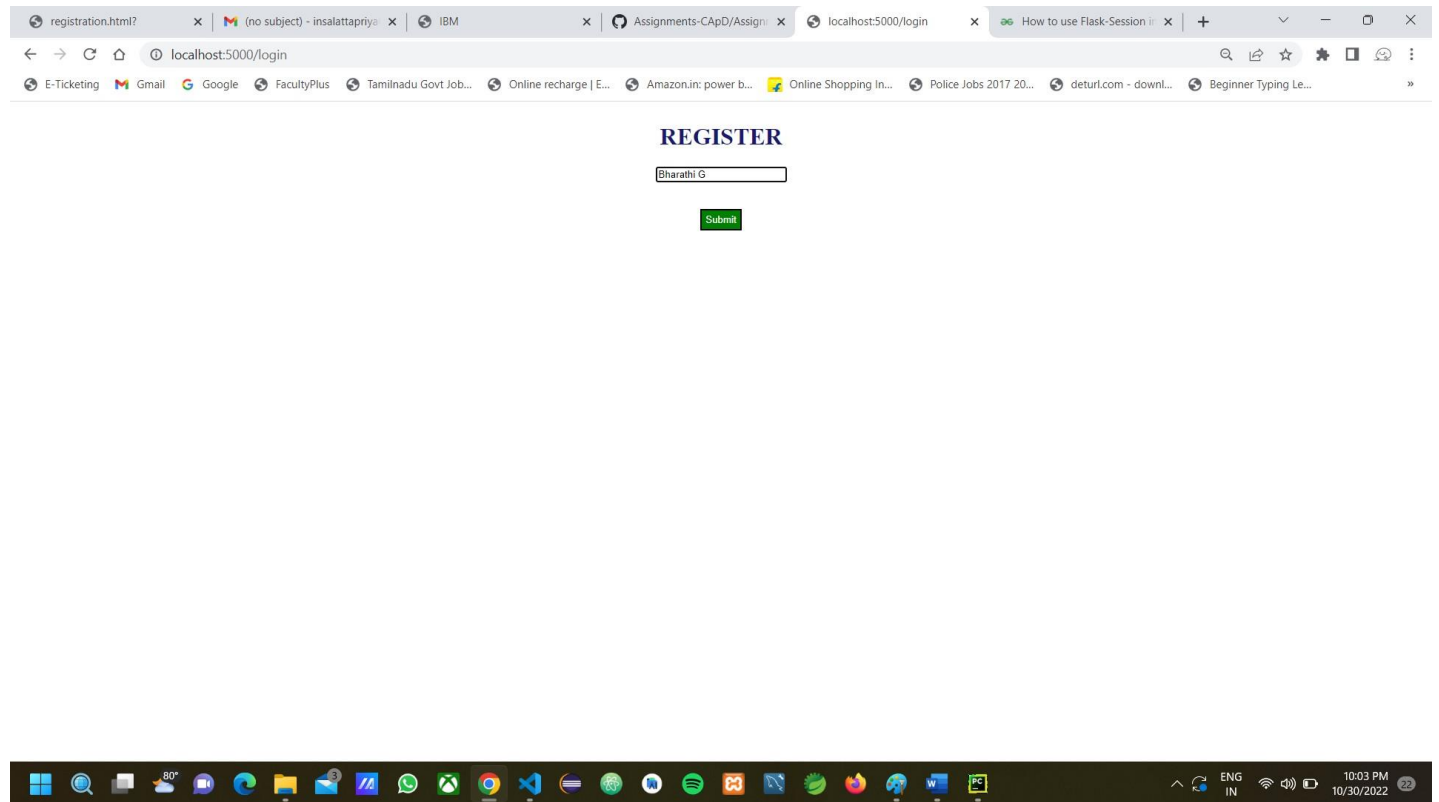
templates/login.html

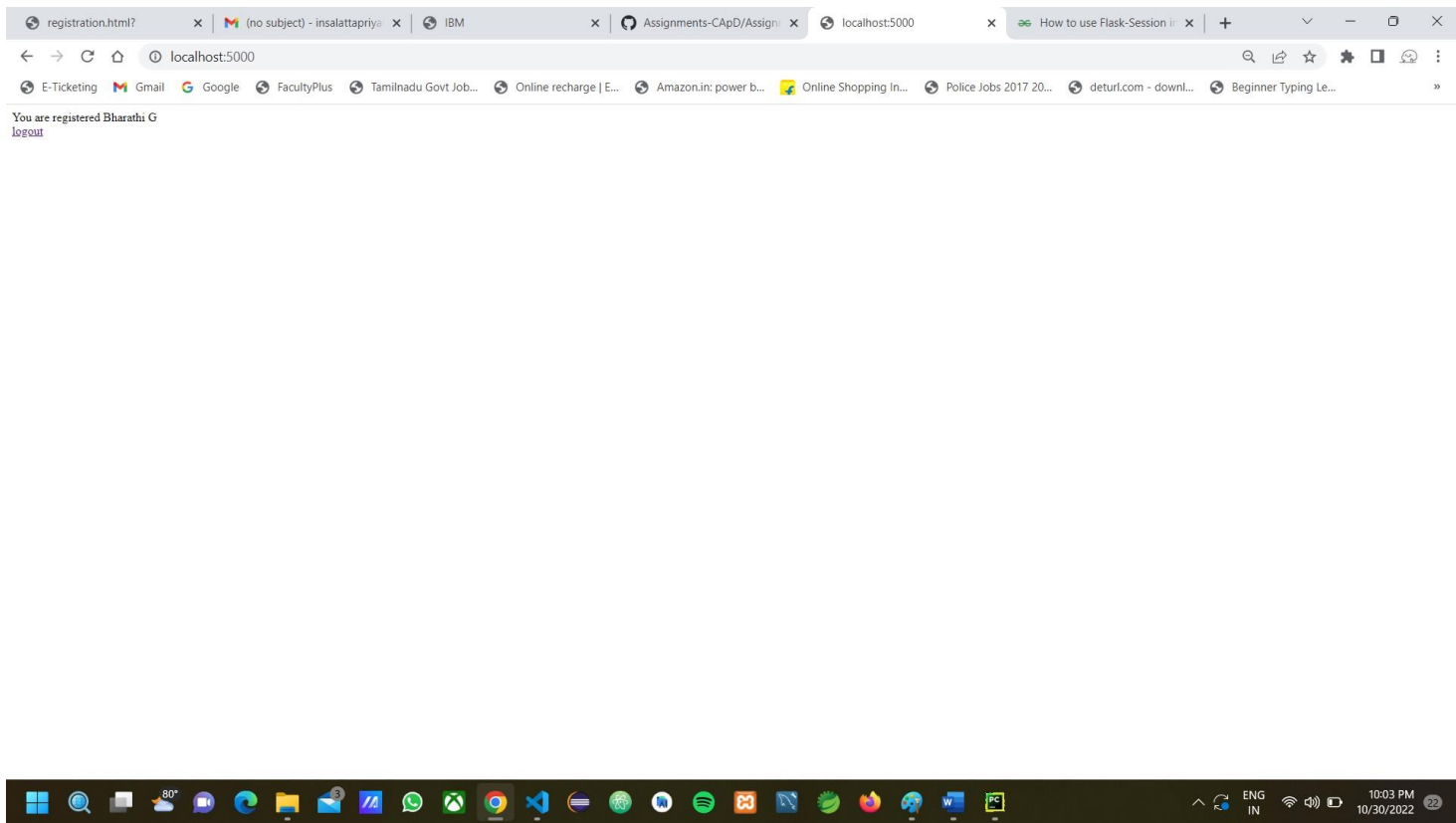
```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
  </head>
  <body>
    <h1> REGISTER </h1>

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

  </body>
</html>
```

Output:





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

Solution:

resume.py

```
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)
```

```
<!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>Bharathi G</h1><hr>
```



```
<div><b>Address :</b>3/804-7,Zion Nagar Theri Road, Pudukottai,Thoothukudi-
628103.Tamil Nadu. </div>
<div><b>Phone :</b>9626326941 </div>
<div><b>Email :</b>gbvelan2002@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 : 9.22</h3>
  </div>
  <div class="right">
    <h3>St.Joseph's Matric Hr Sec School. Thoothukudi</h3>
    <div>HSC, Maths Biology</div>
    <div>Jun 2017 - Mar 2019</div>
    <h3>Percentage : 87.5%</h3>
  </div>
  <div class="right">
    <h3>St.Joseph's Matric Hr Sec School. Thoothukudi</h3>
    <div>SSC</div>
    <div>Jun 2016 - Mar 2017</div>
    <h3>Percentage : 97.5%</h3>
  </div>
</div>
<div>
  <h2>License And Certifications</h2>
  <ul>
    <li>Responsive Web Design - freeCodeCamp</li>
    <li>Programming in Java - NPTEL</li>
  </ul>
</div>
<div>
  <h2>Skills</h2>
  <ul>
    <li>Java</li>
    <li>C</li>
    <li>Javascript</li>
    <li>Angular</li>
    <li>Node.js</li>
  </ul>
</div>
```

```

        <li>HTML5</li>
        <li>CSS3</li>
    </ul>
</div>
<div>
    <h2>Projects</h2>
    <div class="right">
        FACE MASK DETECTION using Python-Opencv - Photography
        Detect the person who are not wearing mask in public places
    </div>
    <div class="right">
        Online Car Sells Website using Angular js
        Website to sell/buy an old and brand new cars.

    </div><br>
</div>
<div>
    <h2>Hobbies</h2>
    <ul>
        <li>Photography</li>
        <li>Planting Trees</li>
    </ul>
</div>
</form>

</body>
</html>

```

Output:

registration.html? x (no subject) - insalattapriy x IBM x Assignments-CAPD/Assign x localhost:5000 x How to use Flask-Session in x + - x

localhost:5000

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Upload Resume : Choose File No file chosen

Upload

Bharathi G

Address : 3/804-7,Zion Nagar Theri Road, Pudukottai, Thoothukudi-628103.Tamil Nadu.
Phone : 9626326941
Email : gbvelan2002@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 : 9.22

St.Joseph's Matric Hr Sec School. Thoothukudi

HSC, Maths Biology
Jun 2017 - Mar 2019

Percentage : 87.5%

Jun 2016 - Mar 2017

Percentage : 97.5%

License And Certifications

- Responsive Web Design - freeCodeCamp
- Programming in Java - NPTEL

Skills

- Java
- C
- Javascript
- Angular
- Node.js
- HTML5
- CSS3

Projects

FACE MASK DETECTION using Python-Open cv - Photography Detect the person who are not wearing mask in public places
Online Car Sells Website using Angular js Website to sell/buy an old and brand new cars.

Hobbies

- Photography
- Planting Trees

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localhost:5000

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