

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?

(no subject) - insalattapriya@gmail.com

IBM

Assignments-CAPD/Assignment: ...

localhost:5000

+

localhost:5000

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Details

Name :

Vetrivel A

Email ID :

vetrivelarv13@gmail.com

Phone Number :

7598228504

Submit

registration.html?

(no subject) - insalattapriya@gmail.com

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Name : Vetrivel A

Email : vetrivelarv13@gmail.com

Phone : 7598228504

registration.html?

(no subject) - insalattapriya@gmail.com

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localhost:5000/display

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Name : Vetrivel A

Email : vetrivelarv13@gmail.com

Phone : 7598228504

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

Solution:

Cookies

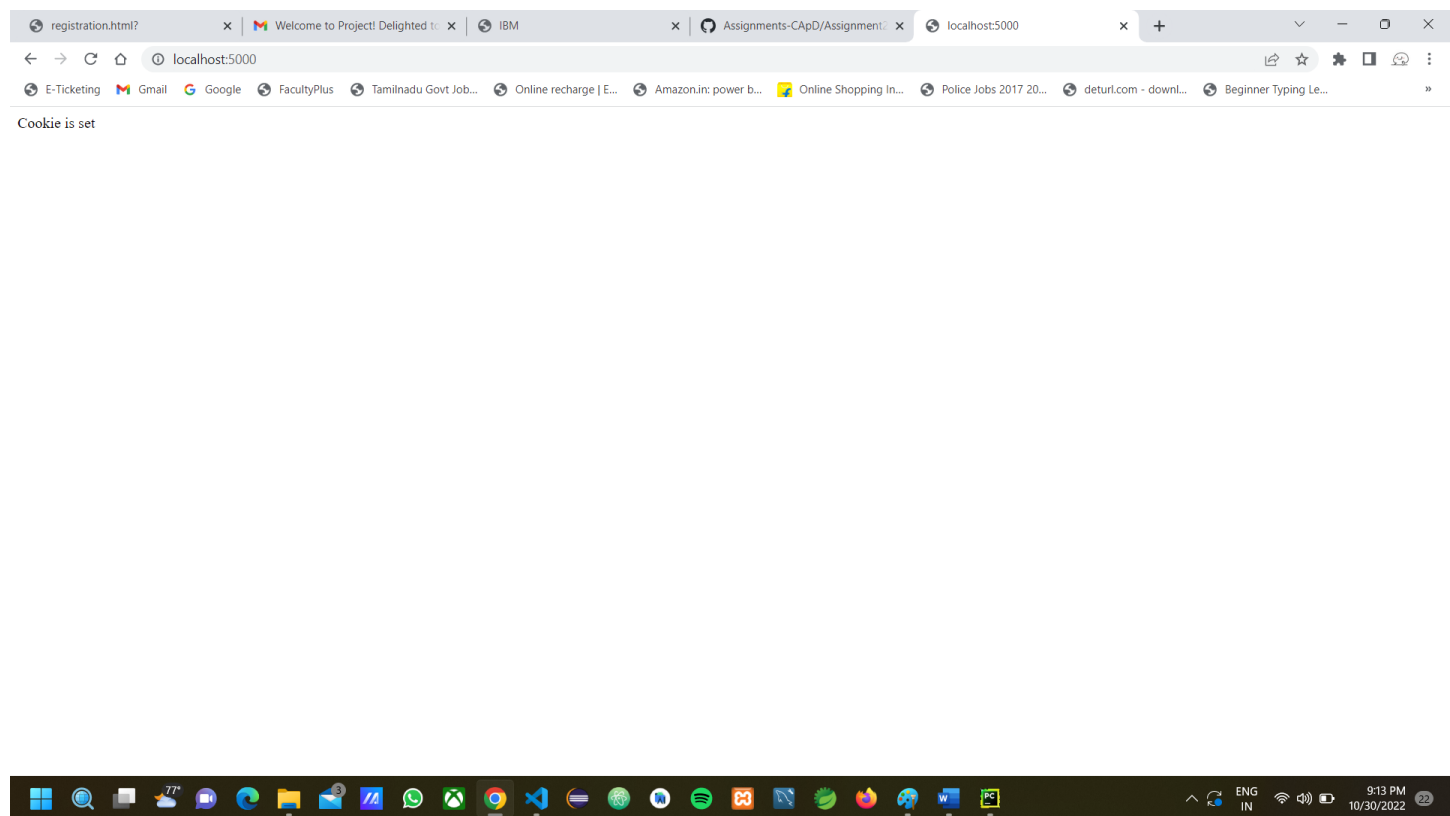
cookies.py

```
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>
```

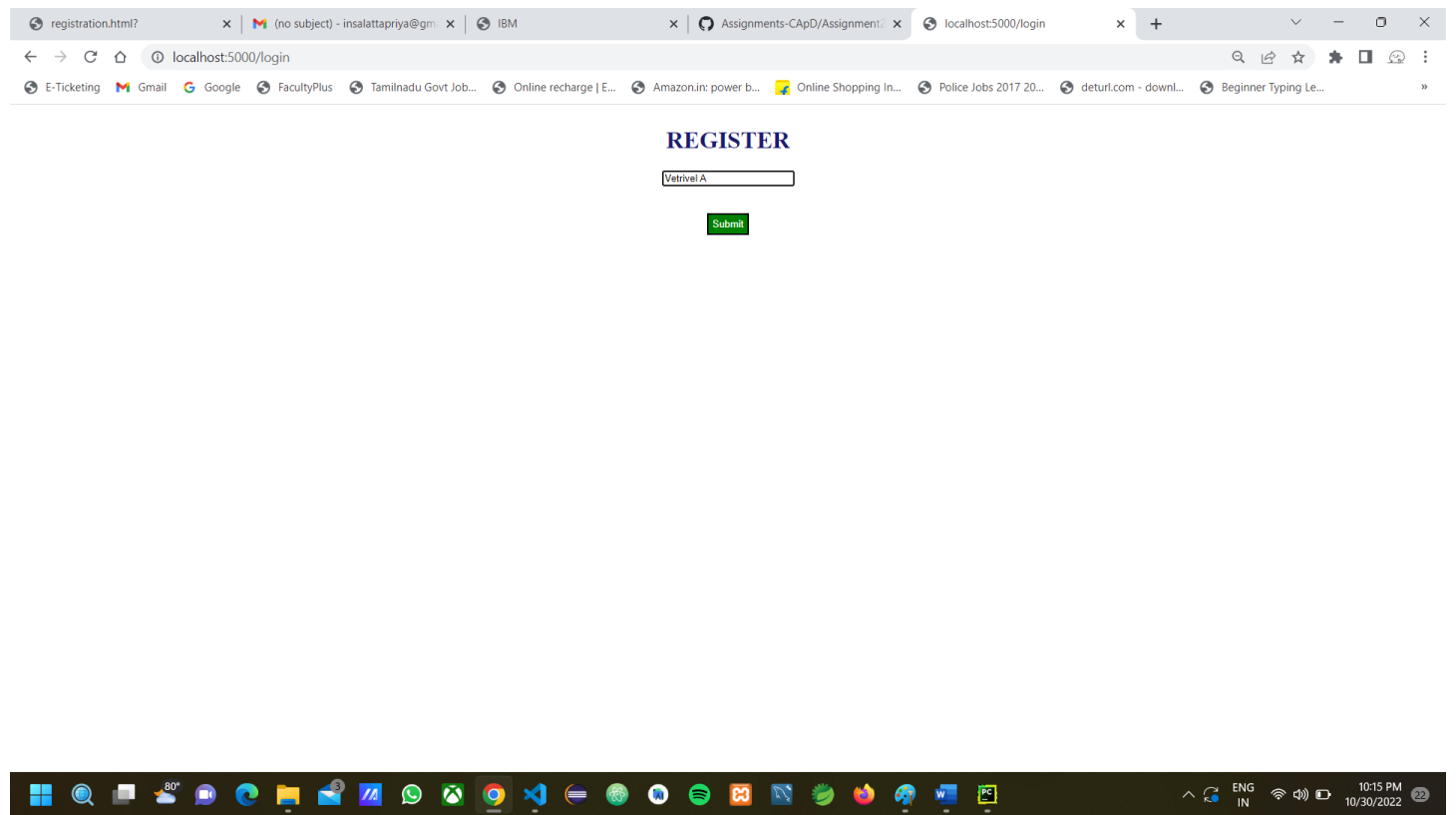
templates/login.html

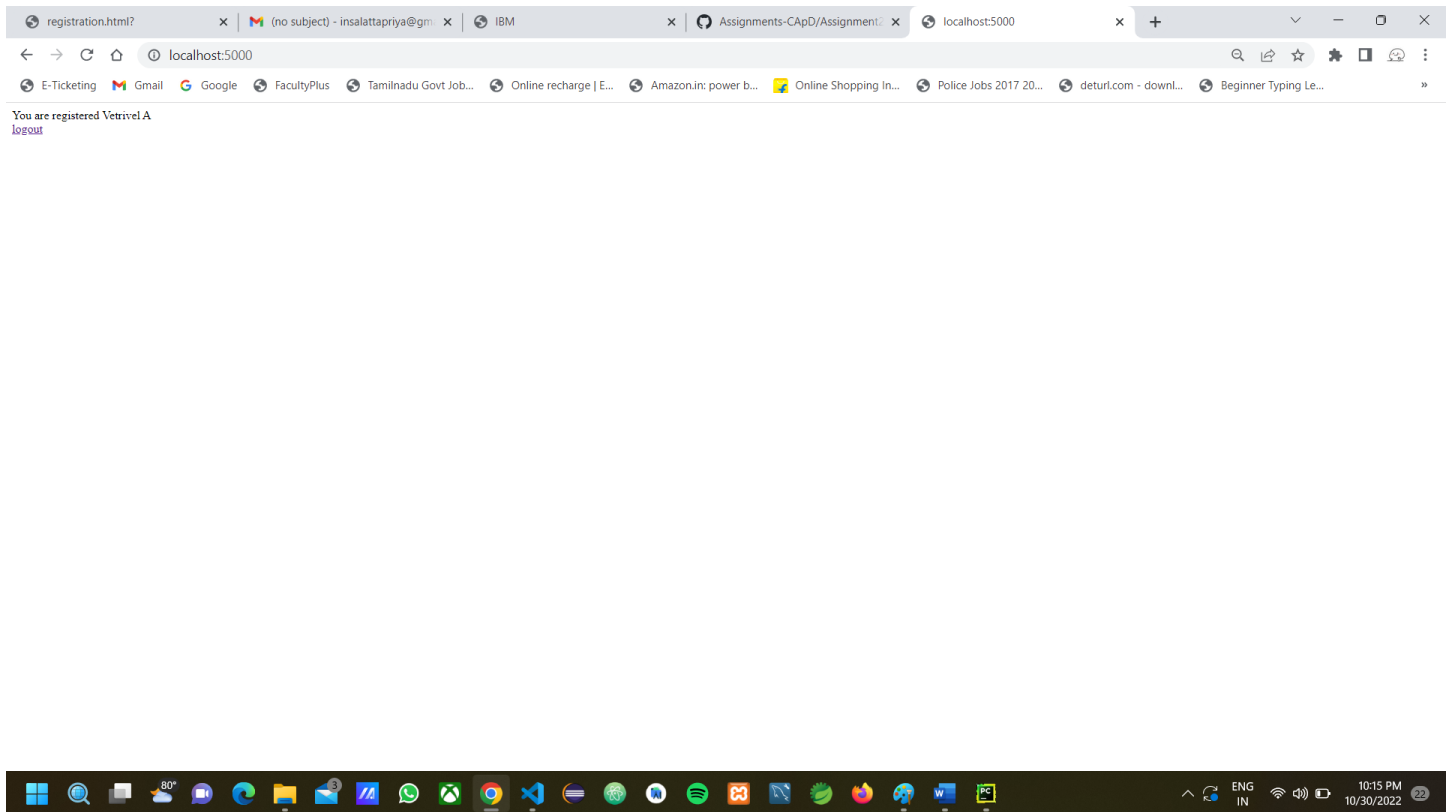
```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
  </head>
  <body>
    <h1> REGISTER </h1>

    <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>Vetrivel A</h1><hr>
```



```
<div><b>Address :</b>Palayamkottai, Tirunelveli</div>
<div><b>Phone :</b>+91-8778504327</div>
<div><b>Email :</b>vetrivelarv13@gmail.com</div>
</div>
<div>
  <h2>Summary</h2>
  <div class="right">Hard working student seeking
    employment. Ready to apply
    my acquired knowledge to its
    fullest and to further develop
    my technical and managerial
    skills.
  </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 : 8.6</h3>
  </div>
  <div class="right">
    <h3>Magdalene Matric Higher Secondary School</h3>
    <div>HSC, Maths Biology</div>
    <div>Jun 2017 - Mar 2019</div>
    <h3>Percentage : 88%</h3>
  </div>
  <div class="right">
    <h3>Magdalene Matric Higher Secondary School</h3>
    <div>SSC</div>
    <div>Jun 2016 - Mar 2017</div>
    <h3>Percentage : 93.2%</h3>
  </div>
</div>
<div>
  <h2>Internship</h2>
  <ul>
    <li>Has successfully completed AICTE-INSPIRE internship
      training on Python made simple (Basic & Advanced)</li>
  </ul>
</div>
<div>
  <h2>Skills</h2>
  <ul>
    <li>C</li>
    <li>Python</li>
    <li>HTML and CSS</li>
    <li>Project Management</li>
    <li>Problem solving</li>
  </ul>
</div>
```

```
        <li>Creativity</li>
        <li>Reliable and Flexible</li>
        <li>Active Listener</li>

    </ul>
</div>
<div>
    <h2>Projects</h2>
    <div class="right">
        Mini project on face mask detection system - Created a mini project on
face mask detection system
        using Python and Machine Learning
    </div>

</div>
<div>
    <h2>Extra-curricular activities</h2>
    <ul>
        <li>Drawing</li>
        <li>Story Writing</li>
        <li>Cricket</li>
    </ul>
</div>
</form>

</body>
</html>
```

Output:

registration.html? x (no subject) - insalattapriya@gm... x IBM x Assignments-CAPD/Assignment... x localhost:5000

localhost:5000

E-Ticketing Gmail Google FacultyPlus Tamilnadu Govt Job... Online recharge | E... Amazon.in: power b... Online Shopping In... Police Jobs 2017 20... deturl.com - downL... Beginner Typing Le...

Upload Resume : Choose File No file chosen

Upload

Vetrivel A

Address :Palayamkottai, Tirunelveli

Phone :+91-8778504327

Email :vetrivelarv13@gmail.com

Summary

Hard working student seeking employment. Ready to apply my acquired knowledge to its fullest and to further develop my technical and managerial skills.

Education

Government College of Engineering, Tirunelveli

Bachelor of Engineering - BE, Computer Science

2019 - 2023

CGPA : 8.6

Magdalene Matric Higher Secondary School

HSC, Maths Biology

Jun 2017 - Mar 2019

Percentage : 88%

Jun 2016 - Mar 2017

Percentage : 93.2%

Internship

Has successfully completed AICTE-INSPIRE internship training on Python made simple (Basic & Advanced)

Skills

- C
- Python
- HTML and CSS
- Project Management
- Problem solving
- Creativity
- Reliable and Flexible
- Active Listener

Projects

Mini project on face mask detection system - Created a mini project on face mask detection system using Python and Machine Learning

Extra-curricular activities

- Drawing
- Story Writing
- Cricket

80°

ENG IN

10:17 PM 10/30/2022