Assignment 2

1. Write a flask program which should display Name, Email, Phone number and it should display the same deatils once we click submit

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

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

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

```html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta http-equiv="X-UA-Compatible" content="IE=edge">
6       <meta name="viewport" content="width=device-width, initial-scale=1.0">
7       <title>IBM</title>
8
9   </head>
10  <body>
11      <form action="/submit" method="post">
12          <div>
13              <h1>FORM</h1>
14          </div>
15          <div>
16              <label for="name">Name:</label>
17              <input type="text" name="name" id="name"><br><br>
18
19          </div>
20          <div>
21              <label for="email">Email:</label>
22              <input type="email" name="email" id="email"><br><br>
23
24          </div>
25          <div>
26              <label for="phone">Phone Number:</label>
27              <input type="text" name="phone" id="phone"><br><br>
28
29          </div>
30          <button type="submit">submit</button>
31
32      </form>
33  </body>
34  </html>
```

```html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <meta http-equiv="X-UA-Compatible" content="IE=edge">
6       <meta name="viewport" content="width=device-width, initial-scale=1.0">
7       <title>IBM</title>
8   </head>
9   <body>
10      <div>
11          <h1>DETAILS</h1>
12          <table>
13              <tr>
14                  <td>Name</td>
15                  <td>{{name}}</td>
16              </tr>
17              <tr>
18                  <td>Email</td>
19                  <td>{{email}}</td>
20              </tr>
21              <tr>
22                  <td>Phone Number</td>
23                  <td>{{phone}}</td>
24              </tr>
25          </table>
26
27      </div>
28  </body>
29  </html>
```

main.py > ...

```python
from flask import Flask, render_template,request
app=Flask(__name__, template_folder='template')
@app.route('/')
@app.route('/login')
def homepage():
    return render_template('login.html')
@app.route("/submit",methods=['POST','GET'])
def register():
    if request.method=='POST':
        n = request.form.get('name')
        e = request.form.get('email')
        p = request.form.get('phone')
        return render_template('submit.html',name=n,email=e,phone=p)
if __name__=="__main__":
    app.run(debug=True)
```

FORM

Name: aaa

Email: aaa@gmail.com

Phone Number: 9087654321

submit

DETAILS

Name   aaa
Email   aaa@gmail.com
Phone Number 9087654321

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

```python
from flask import render_template, make_response, request, Flask,redirect,url_for,session
import os
app = Flask(__name__,template_folder='templates')
app.secret_key = os.urandom(58)
@app.route('/')
@app.route('/form')
@app.route('/submit', methods=['POST'])
def form():
    if not (session.get('user')):
        if not request.cookies.get('choice'):
            if request.method == 'POST':
                number = str(request.form['number'])
                response = make_response("Cookie and Session")

                response.set_cookie('choice', number)
                session['user'] = str(request.form['name'])
                return response
        else:
            response = make_response(render_template('submit.html', cookie = str(request.cookies.get('choice')), user = (str(session.get('user')))))
            return redirect(url_for('submit.html'))

    else:
        return render_template('submit.html', cookie = str(request.cookies.get('choice')), user = (str(session.get('user'))))

    return render_template('form.html')

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

form.html - Demo - Visual Studio Code

● main.py   ◇ form.html ✕   ◇ submit.html

templates > ◇ form.html > ✿ html

```html
 1   <html>
 2       <body>
 3           <form action = "/submit" method = "POST">
 4               <p><h3>Enter Name</h3></p>
 5               <p><input type = 'text' name = 'name'/></p>
 6               <p><h4>Select number: </p>
 7                   <select name="number" id="number">
 8                       <option value="one">One</option>
 9                       <option value="two">Two</option>
10                       <option value="three">Three</option>
11                       <option value="four">Four</option>
12                   </select>
13                   <br><br>
14               <p><input type = 'submit' value = 'Login'/></p>
15           </form>
16       </body>
17   </html>
```

⊗ 0 △ 0   ⌘ Live Share   Ln 17, Col 8   Spaces: 2   UTF-8   CRLF   HTML   ⬤ Go Live

File Edit Selection View Go Run Terminal Help   submit.html - Demo - Visual Studio Code

main.py   form.html   submit.html ✕

templates > submit.html > html > body > p

```html
1    <html>
2        <body>
3
4            <p>User name: {{user}}</p>
5            <p> Cookie:{{cookie}}</p>
6
7        </body>
8    </html>
```

0 0   Live Share   Ln 5, Col 19   Spaces: 4   UTF-8   CRLF   HTML   Go Live

Enter Name

sara

Select number:

Two ⌄

Login

Cookie and Session

User name: sara

Cookie:two

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

```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__image.png=='__main__':
    app.run(debug=True)
```

PROBLEMS ①   OUTPUT   DEBUG CONSOLE   **TERMINAL**   JUPYTER

```
    return _run_module_code(code, init_globals, run_name,
  File "c:\Users\KIRTHIGA KANNAPPAN\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\_vendored\pydevd\_pydevd_bundle\pydevd_runpy.py", line 135, in _run_module_code
    _run_code(code, mod_globals, init_globals,
  File "c:\Users\KIRTHIGA KANNAPPAN\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\_vendored\pydevd\_pydevd_bundle\pydevd_runpy.py", line 124, in _run_code
    exec(code, run_globals)
  File "c:\Users\KIRTHIGA KANNAPPAN\Desktop\Flask\venv\resume.py", line 3, in <module>
    app = Flask(_name_)
NameError: name '_name_' is not defined. Did you mean: '__name__'?
(venv) PS C:\Users\KIRTHIGA KANNAPPAN\Desktop\flask>  c:; cd 'c:\Users\KIRTHIGA KANNAPPAN\Desktop\flask'; & 'c:\Users\KIRTHIGA KANNAPPAN\Desktop\flask\venv\Scripts\python.exe' 'c:\Users\KIRTHIGA KANNAPPAN\.vs
code\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter/../..\debugpy\launcher' '51201' '--' 'c:\Users\KIRTHIGA KANNAPPAN\Desktop\flask\venv\resume.py'
(venv) PS C:\Users\KIRTHIGA KANNAPPAN\Desktop\flask>
```

```html
le   Edit   Selection   View   Go   Run   Terminal   Help                    resume.html - launcher - Visual Studio Code

RUN AND DE...   ▷  Python ∨   ⚙  ···        ○ resume.html ×

∨ VARIABLES                                 C: > Users > Admin > Documents > <> resume.html > ⊘ html
                                              1    <!DOCTYPE html>
                                              2    <html>
                                              3        <head>
                                              4            <meta charset="UTF-8">
                                              5            <style>
                                              6                body{
                                              7                    font-family:Helvetica;
                                              8                    display:flex;
                                              9                    justify-content:center;
                                             10                    align-items:center;
                                             11                    flex-direction:column;
∨ WATCH                                      12                }
                                             13                .resume{
                                             14                    padding:10px;
                                             15                    width:800px;
                                             16                    border:3px solid ☐black;
                                             17                }
                                             18                div{
                                             19                    text-align:justify;
                                             20                }
∨ CALL STACK                                 21                div,a,li{
                                             22                    padding:5px;
                                             23                }
                                             24                .header{
                                             25                    text-align:center;
                                             26                }
                                             27                .right{
                                             28                    margin-left:20px;
                                             29                }
∨ BREAKPOINTS                                30                .file{
  ■ Raised Exceptions                        31                    padding:10px;
  ☑ Uncaught Exceptions                      32                    margin:10px;
  ■ User Uncaught Exceptions
\ 0   ⊹ Python: Current File (launcher)                               Ln 102, Col 8    Spaces: 4    UTF-8    CRLF    HTML
```
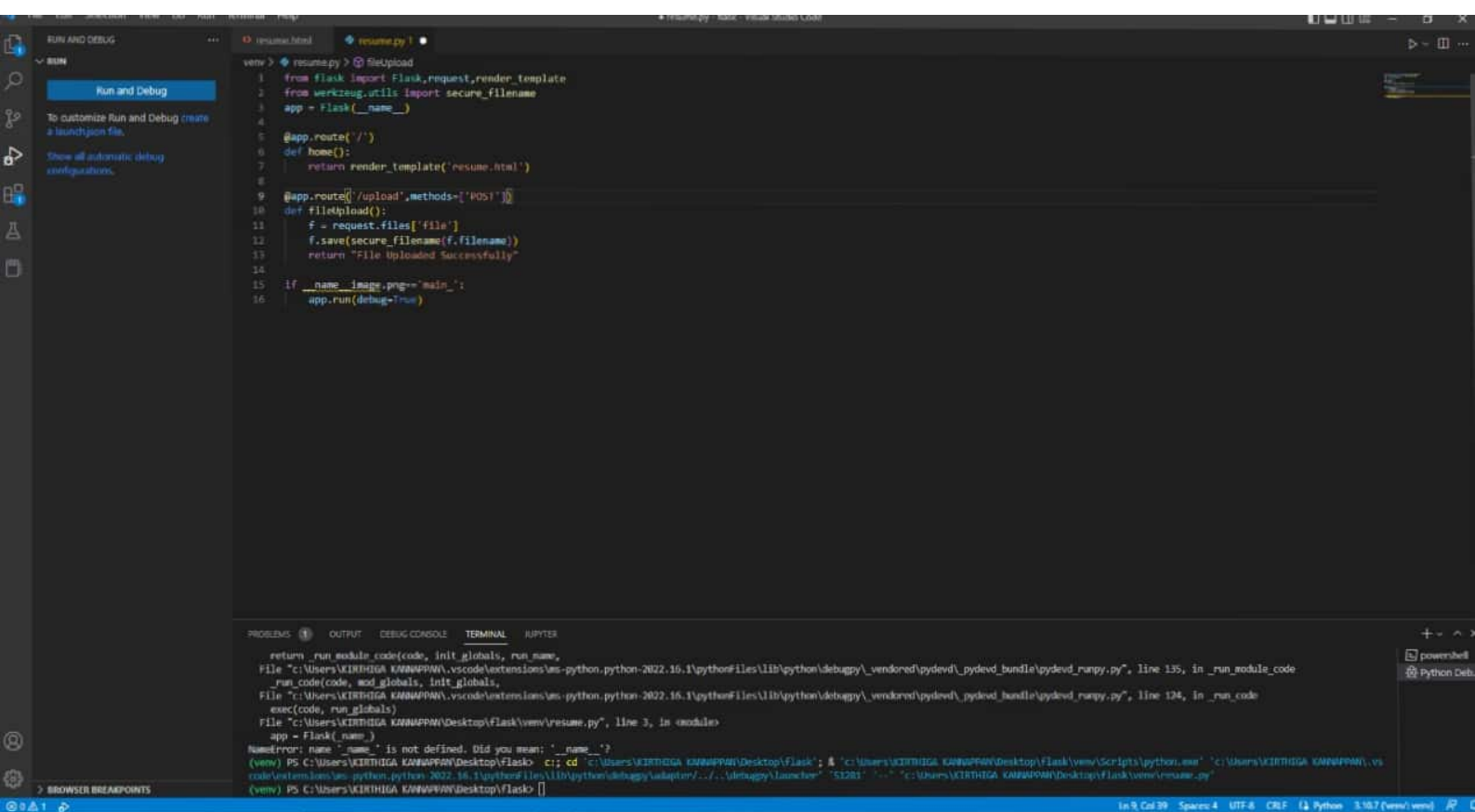
```html
32              margin:10px;
33          }
34          .submit{
35              text-align:center;
36          }
37      </style>
38  </head>
39  <body>
40      <form method="POST" action="/upload" enctype="multipart/form-data">
41          <label ><b>Upload Resume : </b></label>
42          <input class="file" name="file" type="file" value="Upload" /><br>
43          <div class="submit">
44              <input class="file" type="submit" value="Upload">
45          </div>
46      </form>
47      <form class="resume">
48          <div class="header">
49              <h1>Keerthana I</h1><hr>
50              <div><b>Address :</b>LSP Colony, Trichy,Tamil Nadu</div>
51              <div><b>Phone :</b>9500326602</div>
52              <div><b>Email :</b>keerthanailango36@gmail.com</div>
53          </div>
54          <div>
55              <h2>Summary</h2>
56              <div class="right">A self-motivated, hard-working and positive student looking for a fresher position. I am lo
57  mycareer options in IT sector which provides an opportunity to expand my knowledge as a computer science
58  graduate.
59              </div>
60          </div>
61          <div>
62              <h2>Education</h2>
63              <div class="right">
```

```html
        <h2>Education</h2>
        <div class="right">
            <h3>Saranathan College of Engineering, Trichy</h3>
            <div>Bachelor of Engineering - BE ECE</div>
            <div>2019 - 2023</div>
            <h3>CGPA : 8.5</h3>
        </div>
        <div class="right">
            <h3>SBIOA Matric.Hr.Sec School</h3>
            <div>HSC, Biology,Maths</div>
            <div>Jun 2017 - Mar 2019</div>
            <h3>Percentage : 74.6%</h3>
        </div>
        <div class="right">
            <h3>SBIOA Matric.Hr.Sec School</h3>
            <div>SSC</div>
            <div>Jun 2016 - Mar 2017</div>
            <h3>Percentage : 89%</h3>
        </div>
    </div>
    <div>
        <h2>License And Certifications</h2>
        <ul>
            <li>Responsive Web Design - freeCodeCamp</li>
        </ul>
    </div>
    <div>
        <h2>Skills</h2>
        <ul>
            <li>C programming</li>
            <li>python</li>
        </ul>
```

```
81          </div>
82          <div>
83              <h2>License And Certifications</h2>
84              <ul>
85                  <li>Responsive Web Design - freeCodeCamp</li>
86              </ul>
87          </div>
88          <div>
89              <h2>Skills</h2>
90              <ul>
91                  <li>C programming</li>
92                  <li>python</li>
93              </ul>
94          </div>
95          <div>
96              <h2>Project</h2>
97              <ul>
98                  <li>Done a mini project Gas Leakage and Monitoring System</li>
99              </ul>
100         </div>
101     </body>
102 </html>
```

VARIABLES

WATCH

CALL STACK

BREAKPOINTS
- Raised Exceptions
- ✓ Uncaught Exceptions
- User Uncaught Exceptions

Python: Current File (launcher)

Ln 3, Col 11   Spaces: 4   UTF-8   CRLF   HTML

File | C:/Users/Admin/Desktop/db/resume.html

Upload Resume : Choose File No file chosen

Upload

Keerthana

Address : Lsp colony, Kajamalai, Trichy,Tamil Nadu
Phone :9500326602
Email :keerthanailango36@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

Saranathan College of Engineering, Trichy

Bachelor of Engineering - BE ECE

Education

Saranathan College of Engineering, Trichy

Bachelor of Engineering - BE ECE
2019 - 2023

CGPA : 8.6

SBIOA

HSC, BioMaths
Jun 2017 - Mar 2019

Percentage : 74.6%

SBIOA

SSC
Jun 2016 - Mar 2017

Percentage : 89%

Percentage : 74.6%

SBIOA

SSC
Jun 2016 - Mar 2017

Percentage : 89%

License And Certifications

- Responsive Web Design - freeCodeCamp

Skills

- C Programming

Project

- Done a mini project Gas Leakage and Monitoring System