

Assignment -2
Python Programming

Assignment Date	19 September 2022
Student Name	Kamalam.G
Student Roll Number	194301
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 hit submit.

Solution:

HTML CODE

```
<html>
<body>
<form action="/login" method = "post">
<p> Name: </p>
<p><input type = "text" name = "nm"/></p>
<p> E-mail: </p>
<p><input type = "text" email = "email"/><p>
<p> Phone-no: </p>
<p><input type = "tel" phone-no = "phn"/><p>
<p> <input type = "submit" value = "submit"/></p>
</form>
<b> {{Y}} </b>
</body>
</html>
```

FLASK PROGRAM

```
from flask import Flask,render_template,request
app=Flask(__name__)
@app.route('/')
def home():
    return render_template('index.html')

@app.route('/login' , methods = ["POST"])
def login():
```

```

if request.method == "POST":
    user = request.form["nm"]
    return render_template("index.html",y = user)

```

```

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

```

OUTPUT:

Name:

E-mail:

Phone-no:

Question-2:

Write a flask program which should cover cookies,sessions.

SOLUTION:

FLASK PRROGRAM

```

from flask import render_template, make_response, request, Flask, redirect, url_for, session
import os
app=Flask(__name__)
app.secret_key=os.urandom(24)# this is an important step
#flask will not allow you to use cookies without a secret key

```

```

@app.route('/',methods=['GET','POST'])
def index():
    if not(session.get('user')):
        if not request.cookies.get('choice'):

```

```

        if request.method=='POST':
            colour=str(requestform['color'])

            response=make_response("Setting your Cookie and Session! Please refresh the page to see
the results -")

            response.set_cookie('choice',colour)

            session['user']=str(request.form['name'])

            return response

        else:

response=make_response(render_template('output.html',cookie=str(request.cookies.get('choice')),
user = (str(session.get('user')))))

            return response

        else:

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

            return render_template('index.html')

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

```

HTML CODE

```

<html>

<body>

<form action = "/" method = "POST">

<p><h3>Enter userID</h3></p>

<p><input type = 'text' name = 'name' /></p>

<p><h4>Select your favourite colour: </p>

    <select name="colour" id="colour">

        <option value="red">Red</option>

        <option value="blue">Blue</option>

        <option value="green">Green</option>

        <option value="yellow">Yellow</option>

    </select>

<br><br>

```

```

        <p><input type = 'submit' value = 'Login'/></p>
    </form>
</body>
</html>
<html>
    <body>
        <p> Cookie is: {{cookie}}</p>
        <p>Logged in as: {{user}}</p>
    </body>
</html>

```

Question-3:

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

Solution:

HTML CODE

```

<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport"
    content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="full">
<div class="left">
<div class="image">
<img src=ibm.jpg alt="ibm"
    style="width:100px;height:100px;">
</div>

```

```
<div class="Contact">
<h2>Contact</h2>
<p><b>Email id:</b>xyz@gmail.com</p>
<p><b>Mobile no :</b>1234567890</p>
</div>
```

```
<div class="Skills">
<h2>Skills</h2>
<ul>
<li><b>Programming Languages :
        Python, Java, C++</b></li>
<li><b>Frontend : HTML5, CSS3,
        JavaScript, React</b></li>
<li><b>Backend : Node.js</b></li>
</ul>
</div>
```

```
<div class="Language">
<h2>Language</h2>
<ul>
<li>English</li>
<li>Tamil</li>
</ul>
</div>
```

```
<div class="Hobbies">
<h2>Hobbies</h2>
<ul>
<li>Reading novels</li>
<li>Dancing</li>
</ul>
</div>
</div>
```

```
<div class="right">
```

<div class="name">

<h1>RESUME</h1>

</div>

<div class="title">

<p>Web Developer</p>

</div>

<div class="Summary">

<h2>Summary</h2>

<p>To secure a challenging position in a

reputable organization

to expand my learning knowledge and skill

</p>

</div>

<div class="Experience">

<h2>Experience</h2>

<h3>Abcwebdevpvt ltd - Senior Web Developer</h3>

<p>January 2022 to Present</p>

Actively engaged in web creative
design and development.

Designing project &planing

Actively engaged in web creative
design and development.

Designing project &planing

```
<li>Working on designing</li>
```

```
</ul>
```

```
</div>
```

```
<div class="Education">
```

```
<h2>Education</h2>
```

```
<table>
```

```
<tr>
```

```
<th>University/college </th>
```

```
<th>Passing year </th>
```

```
<th>percentage/cgpa</th>
```

```
</tr>
```

```
<tr>
```

```
<td>xyz</td>
```

```
<td>2023</td>
```

```
<td>8.9</td>
```

```
</tr>
```

```
<tr>
```

```
<td>pqr</td>
```

```
<td>2018</td>
```

```
<td>89%</td>
```

```
</tr>
```

```
</table>
```

```
</div>
```

```
<div class="project">
```

```
<ul>
```

```
<li>
```

```
<h2>Project1</h2>
```

```
<p>This project is based on html
```

```
&css</p>
```

```
</li>
```

```
<li>
```

```
<h2>Project2</h2>
```

```
<p>This project is based on html  
&java script</p>
```

```
</li>  
</ul>  
</div>  
</div>  
</div>  
</body>
```

```
</html>
```

HTML CODE for file uploading

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>HTML input type file</title>
```

```
<style>
```

```
    h1 {  
color: green;  
    }
```

```
h2,
```

```
    h3 {  
        font-family: Impact;
```



```
}

body {
    text-align: center;
}
</style>
</head>

<body>
<h2>RESUME</h2>

<label> Choose the File to upload: </label>
<input type="file" id="myFile" /><br /><br />

<input type="submit" value="submit" />
</body>

</html>
```

CSS CODE

```
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body {
    background-color: rgb(253, 254, 255);
    display: flex;
    justify-content: center;
    align-items: center;
```

```

}

.full {
    width: 50%;
    max-width: 1000px;
    min-height: 100px;
    background-color: rgb(245, 239, 231);
    margin: 0px;
    display: grid;
    grid-template-columns: 2fr 4fr;
}

.left {
    position: initial;
    background-color: rgb(126, 219, 231);
    padding: 20px;
}

.right {
    position: initial;
    background-color: rgb(162, 202, 206);
    padding: 20px;
}

.image, .Contact, .Skills, .Language, .Hobbies, .title,
.Summary, .Experience, .Education, .project {
    margin-bottom: 30px;
}

.h2 {
    background-color: rgb(4, 96, 150);
}

```

FLASK PROGRAM

```
from flask import Flask,render_template,request
```

```

app=Flask(_name_)

@app.route('/')

def home():

    return render_template('resume.html')

@app.route('/Login',methods=["POST"])

def resume():

    if request.method=="POST":

        user=request.form["nm"]

        return render_template("resume.html",y=user)

if _name==('main_'):

app.run(debug=True)

```

OUTPUT



Contact

Email id:xyz@gmail.com
Mobile no :1234567890

Skills

- **Programming Languages :** Python, Java, C++
- **Frontend :** HTML5, CSS3, JavaScript, React
- **Backend :** Node.js

Language

- English
- Tamil

Hobbies

- Reading novels
- Dancing

RESUME

Web Developer

Summary

To secure a challenging position in a reputable organization to expand my learning knowledge and skill

Experience

Abc webdev pvt ltd - Senior Web Developer

January 2022 to Present

- Actively engaged in web creative design and development.
- Designing project & planing
- Actively engaged in web creative design and development.
- Designing project & planing
- Working on designing

Education

University/college	Passing year	percentage/cgpa
xyz	2023	8.9
pqr	2018	89%

- **Project1**

This project is based on html & css

- **Project2**

RESUME

Choose the File to upload: Choose File ibm.jpg

submit