ASSIGNMENT3

Question 1: Display a upload file using flask.

PROGRAM

Resume.py

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

@app.route('/upload')
def upload_file():
   return render_template('upload.html')

@app.route('/uploader', methods = ['GET', 'POST'])
def upload_file():
   if request.method == 'POST':
     f = request.files['file']
     f.save(secure_filename(f.filename))
     return 'file uploaded successfully'

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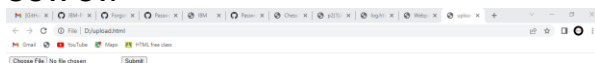
upload.html

```html
<html>
  <body>
    <form action = "http://localhost:5000/uploader" method = "POST"
      enctype = "multipart/form-data">
      <input type = "file" name = "file" />
      <input type = "submit"/>
    </form>
  </body>
</html>
```

OUTPUT:

Question 2: Display a registrarion form using flask
PROGRAM:
script.py

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

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

@app.route('/success',methods = ['POST', 'GET'])
def print_data():
    if request.method == 'POST':
        result = request.form
        return render_template("result_data.html",result = result)

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

customer.html

```html
<html>
  <body>
     <h3>Register the customer, fill the following form.</h3>
     <form action = "http://localhost:5000/success" method = "POST">
       <p>Name <input type = "text" name = "name" /></p>
       <p>Email <input type = "email" name = "email" /></p>
       <p>Contact <input type = "text" name = "contact" /></p>
       <p>Pin code <input type ="text" name = "pin" /></p>
       <p><input type = "submit" value = "submit" /></p>
     </form>
  </body>
</html>
```
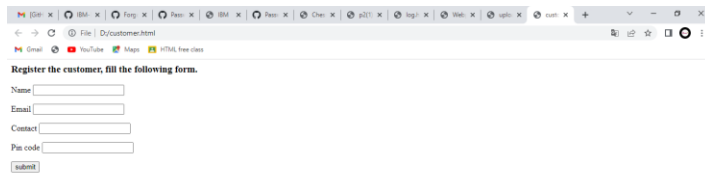
Resultdata.html

```html
<!doctype html>
<html>
  <body>
     <p><strong>Thanks for the registration. Confirm your details</strong></p>
     <table border = 1>
       {% for key, value in result.items() %}
         <tr>
           <th> {{ key }} </th>
           <td> {{ value }} </td>
         </tr>
       {% endfor %}
     </table>
  </body>
</html>
```
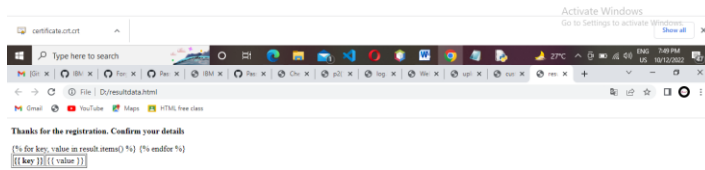
OUTPUT:

QUESTION 3: Login page
PROGRAM
assign5.py

```python
from flask import Flask, render_template, request, redirect, url_for , session
import ibm_db
import re
@app.route('/')
def index():
  return render_template('index.html')
@app.route('/setcookie', methods = ['POST', 'GET'])
def setcookie():
  if request.method == 'POST':
  user = request.form['nm']

  resp = make_response(render_template('readcookie.html'))
  resp.set_cookie('userID', user)

  return resp
@app.route('/getcookie')
def getcookie():
  name = request.cookies.get('userID')
 return '<h1>welcome ' + name + '</h1>'
```

index.html

```html
<html>
  <body>

    <form action = "/setcookie" method = "POST">
      <p><h3>Enter userID</h3></p>
      <p><input type = 'text' name = 'nm'/></p>
      <p><input type = 'submit' value = 'Login'/></p>
    </form>

  </body>
</html>
```
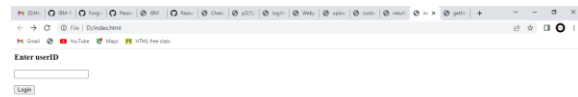
OUTPUT:

QUESTION 4: Session page

PROGRAM

Session.py

```python
from flask import *
app = Flask(__name__)
app.secret_key = "abc"

@app.route('/')
def home():
    res = make_response("<h4>session variable is set, <a href='/get'>Get Variable</a></h4>")
    session['response']='session#1'
    return res;

@app.route('/get')
def getVariable():
    if 'response' in session:
        s = session['response'];
        return render_template('getsession.html',name = s)

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

getsession.html
```html
<html>
<head>
<title>getting the session</title>
</head>
<body>
<p>The session is set with value: <strong>{{name}}</strong></p>
</body>
</html>
```

OUTPUT: