ASSIGNMENT-II

FLASK PROGRAM

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Maximum Mark	2

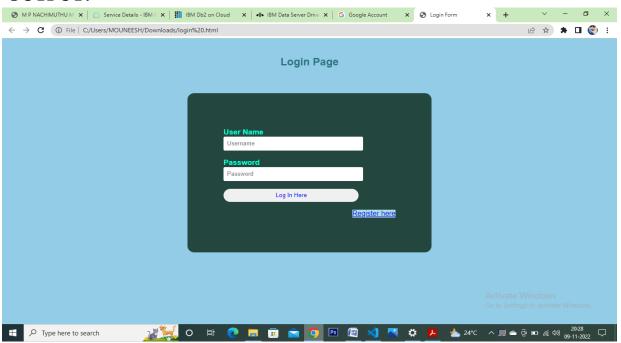
1) Write a Flask Program Which Should Display Name, Email, Phone and it Should Display the Same Once We Hit Submit.

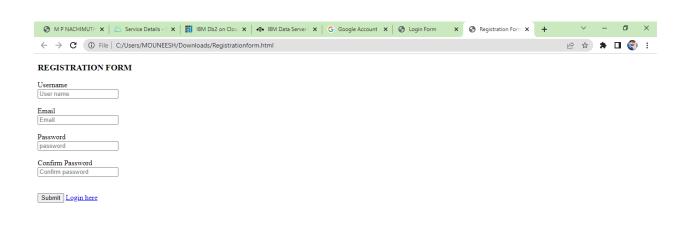
CODE:

```
from email.mime import image
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import re
app = Flask(__name__)
conn=ibm db.connect("DATABASE=bludb;HOSTNAME=98538591-7217-4024-b027-
8baa776ffad1.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30875;PROTOCOL=T
CPIP; SECURITY=SSL; SSLServerCertificate=DigiCertGlobalRootCA.crt; UID=fxm42113; PWD=
XHzCZLrUPYhyRiHW;", "", "")
@app.route('/')
@app.route('/login', methods =['GET', 'POST'])
def login():
    msg = ''
    if request.method == 'POST' and 'email' in request.form and 'password' in
request.form:
        username = request.form['email']
        password = request.form['password']
        stmt = ibm_db.exec_immediate(conn,'SELECT * FROM DURGA_DB WHERE email = %
s AND password = % s', (email, password, ))
        account = ibm_db.fetch_both(stmt)
        if username==password:
            session['loggedin'] = True
            session['id'] = account['id']
            session['email'] = account['email']
```

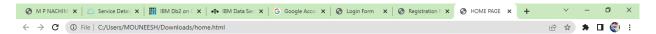
```
msg = 'Logged in successfully !'
            return render template('index.html', msg = msg)
        else:
            msg = 'Incorrect username / password !'
    return render_template('login.html', msg = msg)
@app.route('/register', methods =['GET', 'POST'])
def register():
    msg = ''
    if request.method == 'POST' and 'username' in request.form and 'password' in
request.form and 'email' in request.form and 'roll no' in request.form :
        roll no = request.form['roll no']
        username = request.form['username']
        password = request.form['password']
        cpassword = request.form['cpassword']
        email = request.form['email']
        conn=ibm db.connect("DATABASE=bludb; HOSTNAME=98538591-7217-4024-b027-
8baa776ffad1.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30875;PROTOCOL=T
CPIP;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=fxm42113;PWD=
XHzCZLrUPYhyRiHW;", "", "")
        stmt = ibm db.exec immediate(conn, 'SELECT * FROM DURGA DB')
        if email==cpassword:
            msg = 'Account already exists !'
        elif not re.match(r'[^{\alpha}]+@[^{\alpha}]+\.[^{\alpha}]+', email):
            msg = 'Invalid email address !'
        elif not re.match(r'[A-Za-z0-9]+', username):
            msg = 'Username must contain only characters and numbers !'
        elif not username or not password or not email:
            msg = 'Please fill out the form !'
        else:
            sql=ibm db.exec immediate(conn,'INSERT INTO DURGA DB (roll no,
username, email, password, cpassword) VALUES (%s, % s, % s, % s)')
            msg = 'You have successfully registered !'
            print("you have successfully registered!")
            return redirect(url('/login'))
    elif request.method == 'POST':
            msg = 'Please fill out the form !'
    return render_template('signup.html', msg = msg)
if __name__=='__main__':
   app.run(debug=True)
```

OUTPUT:



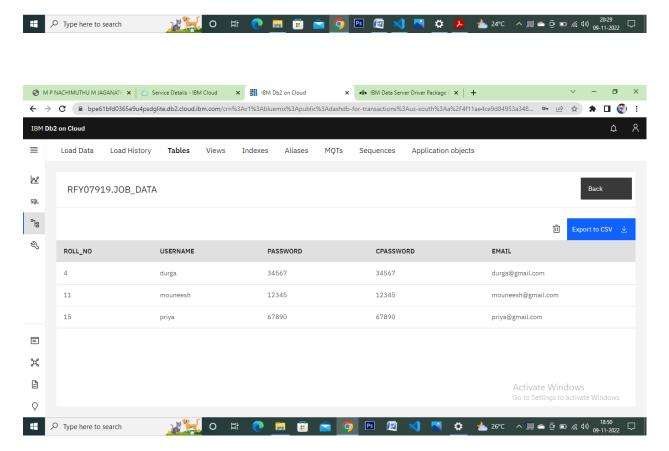


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WELCOME

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2) Write a Flask Program Which Should Cover Cookies, Sessions. **COOKIES:**

```
from flask import request

@app.route('/')
def index():
    username = request.cookies.get('username')
    resp = make_response(render_template(...))
    resp.set_cookie('username', 'the username')
    return resp
```

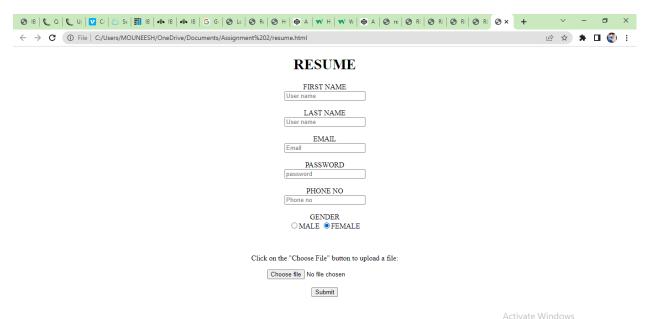
SESSION:

```
@app.route('/')
def index():
    if 'username' in session:
        return f'Logged in as {session["username"]}'
    return 'You are not logged in'
@app.route('/login', methods=['GET', 'POST'])
def login():
    if request.method == 'POST':
        session['username'] = request.form['username']
        return redirect(url for('index'))
    return '''
<form method="post">
<input type=text name=username>
<input type=submit value=Login>
</form>
@app.route('/logout')
def logout():
    session.pop('username', None)
   return redirect(url for('index'))
```

3) Write a Flask Program Which Should Display Resume Detailes Also have Upload Resume option by Using File Uploading.

```
<!DOCTYPE html>
<html>
    <head>
        <title>RESUME</title>
        <meta name="viewport" content="width-device-width,initial-scale=1.0">
        <link rel="stylesheet" href="style5.css">
    </head>
    <body>
        <div class="wrapper">
            <div class="inner">
                 <form style="justify-content: center;">
                     <h1>
                         <b>RESUME</b></h1>
                     FIRST NAME
                     <div class=""form-wrapper">
                         <input type="text" placeholder="User name" class="form-</pre>
control">
                     </div><br>
                     LAST NAME
                     <div class=""form-wrapper">
                         <input type="text" placeholder="User name" class="form-</pre>
control">
                     </div><br>
                     EMAIL
                     <div class=""form-wrapper">
                         <input type="text" placeholder="Email" class="form-</pre>
control">
                     </div><br>
                     PASSWORD
                     <div class="form-wrapper">
                         <input type="password" placeholder="password"</pre>
class="form-control">
                     </div> <br>
                     PHONE NO
                     <div class="form-wrapper">
```

```
<input type="Phone no" placeholder="Phone no"</pre>
class="form-control"></div><br>
                    GENDER
                         <div class="form-wrapper">
                      <input type="radio" placeholder="male"class="form -</pre>
control">MALE
                      <input type="radio" placeholder="female"class="form-</pre>
control">FEMALE
                     </div><br><br>>
                     Click on the "Choose File" button to upload a file:
                 <input type="file" id="myFile" name="filename"><br><br>
                  <input type="submit">
       </center>
    </form>
            </div>
        </body>
</html>
```



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