

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 PRIYA_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=
XHxCZLrUPYhyRiHW;", "", "")
        stmt = ibm_db.exec_immediate(conn,'SELECT * FROM PRIYA_DB')
        if email==cpassword:
            msg = 'Account already exists !'
        elif not re.match(r'^@]+@[^@]+\.[^@]+', 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 PRIYA_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:

Browser tabs: M P NACHIMUTHU M, Service Details - IBM, IBM Db2 on Cloud, IBM Data Server Drive, Google Account, Login Form.

Address bar: File | C:/Users/MOUNEESH/Downloads/login%20.html

Login Page

User Name

Password

[Log In Here](#)

[Register here](#)

Activate Windows
Go to Settings to activate Windows.

Windows taskbar: Type here to search, 20:28 09-11-2022

Browser tabs: M P NACHIMUTHU, Service Details - IBM, IBM Db2 on Cloud, IBM Data Server Drive, Google Account, Login Form, Registration Form.

Address bar: File | C:/Users/MOUNEESH/Downloads/Registrationform.html

REGISTRATION FORM

Username

Email

Password

Confirm Password

[Submit](#) [Login here](#)

Activate Windows
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Windows taskbar: Type here to search, 20:29 09-11-2022

WELCOME

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IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

RFY07919.JOB_DATA

Back

Export to CSV

ROLL_NO	USERNAME	PASSWORD	CPASSWORD	EMAIL
4	durga	34567	34567	durga@gmail.com
11	mouneesh	12345	12345	mouneesh@gmail.com
15	priya	67890	67890	priya@gmail.com

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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">
<p><input type="text" name=username>
<p><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 Details 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;">
          <center>
            <h1>
              <b>RESUME</b></h1>
            FIRST NAME
            <div class=""form-wrapper">
              <input type="text" placeholder="User name" class="form-
control">
            </div><br>
            LAST NAME
            <div class=""form-wrapper">
              <input type="text" placeholder="User name" class="form-
control">
            </div><br>
            EMAIL
            <div class=""form-wrapper">
              <input type="text" placeholder="Email" class="form-
control">
            </div><br>
            PASSWORD
            <div class="form-wrapper">
              <input type="password" placeholder="password"
class="form-control">
            </div> <br>
            PHONE NO
            <div class="form-wrapper">
```

```

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

        <input type="submit">

    </center>
</form>
</div>
</body>
</html>

```

RESUME

FIRST NAME
User name

LAST NAME
User name

EMAIL
Email

PASSWORD
password

PHONE NO
Phone no

GENDER
☐ MALE
 ☒ FEMALE

Click on the "Choose File" button to upload a file:

No file chosen

Activate Windows
Go to Settings to activate Windows.