ASSIGNMENT-II

FLASK PROGRAM

DATE	10.11.2022
TEAM ID	PNT2022TMID44585
PROJECT NAME	NEWS TRACKER APPLICATION

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

```python
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=54a2f15b-5c0f-46df-8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32733;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 SASIRAJ 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 !'
```

```python
                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=b70af05b-76e4-4bca-a1f5-
23dbb4c6a74e.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32716;PROTOCOL=T
CPIP;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=pkf76486;PWD=
e2L60BNispZyEaxR;", "", "")
        stmt = ibm_db.exec_immediate(conn,'SELECT * FROM SASIRAJ)
        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 SASIRAJ (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)
```
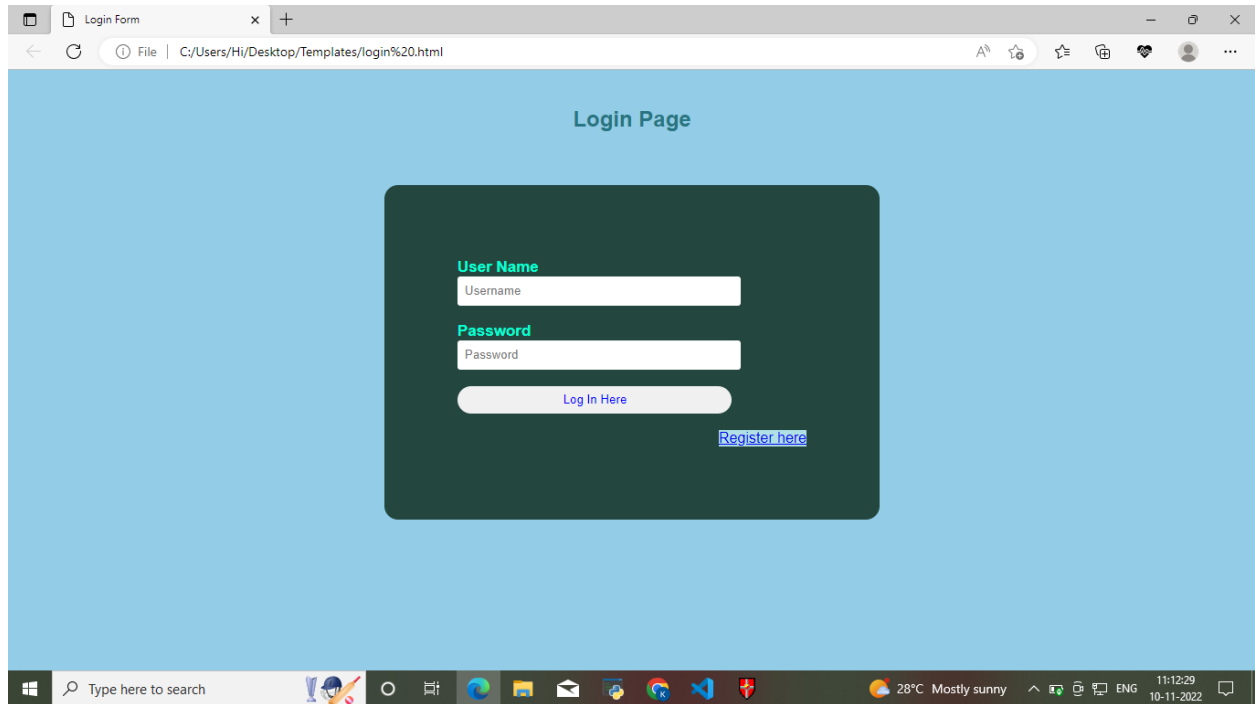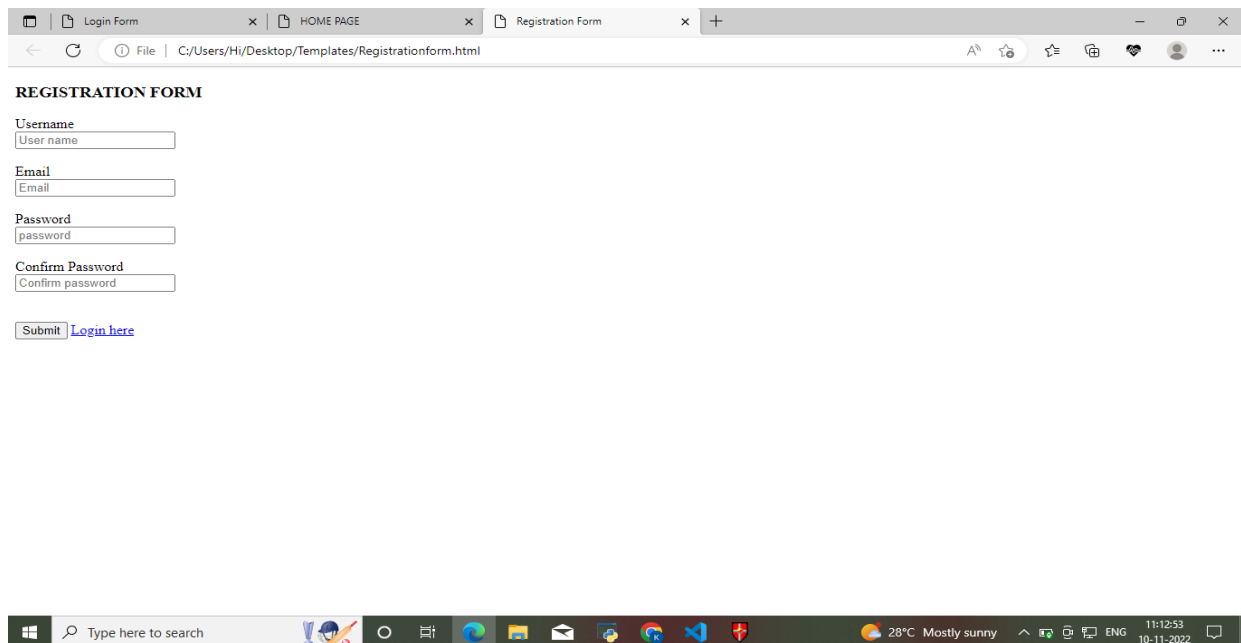
WELCOME

IBM Db2 on Cloud

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

MVK78607.KIRUTHIKA

Back

Export to CSV

user name	roll number	email id	PASSWORD	c password
kiruthika	8	keerthi@gmail.com	12345	12345
parvathi	12	paru@gmail.com	45678	45678
sasiraj	17	sasi@gmail.com	34567	34567
shalini	18	shalu@gmail.com	23456	23456
shalini	18	shalu@gmail.com	23456	23456

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

```python
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 :

```python
@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 Detailes Also have Upload Resume option by Using File Uploading.

```html
<!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:

[Choose file] No file chosen

[Submit]