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from flask import Flask, render_template, request, redirect, url_for, session

import ibm_db

import re


app = Flask(__name__)


hostname = '19af6446-6171-4641-8aba-
9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud'

uid = 'sfr69790'

pwd = 'VFRS0bFKFelhMbcq'

driver = "{IBM DB2 ODBC DRIVER}"

db_name = 'Bludb'

port = '30699'

protocol = 'TCPIP'

cert = "C:/Users/Prithiarun/Desktop/IBM/TEST/certi.crt"

dsn = (
    "DATABASE={0};"
    "HOSTNAME={1};"
    "PORT={2};"
    "UID={3};"
    "SECURITY=SSL;"
    "PROTOCOL={4};"
    "PWD={6};"
).format(db_name, hostname, port, uid, protocol, cert, pwd)

connection = ibm_db.connect(dsn, "", "")

print()

# query = "SELECT username FROM USER1 WHERE username=?"

# stmt = ibm_db.prepare(connection, query)

# ibm_db.bind_param(stmt, 1, username)

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# ibm_db.execute(stmt)

# username = ibm_db.fetch_assoc(stmt)

# print(username)

app.secret_key = 'a'


@app.route('/', methods=['GET', 'POST'])
@app.route('/register', methods=['GET', 'POST'])
def register():
    msg = " "

    if request.method == 'POST':
        username = request.form['username']
        email_id = request.form['email_id']
        phone_no = request.form['phone_no']
        password = request.form['password']
        query = "SELECT * FROM USER1 WHERE username=?;"
        stmt = ibm_db.prepare(connection, query)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        if (account):

            msg = "Account already exists!"

            return render_template('register.html', msg=msg)
        # elif not re.match(r'^@]+@[^@]+\.[^@]+', email_id):
        #     msg = "Invalid email address"
        # elif not re.match(r'[A-Za-z0-9+]', username):
        #     msg = "Name must contain only characters and numbers"
    else:

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query = "INSERT INTO USER1 values(?,?,?,?)"
stmt = ibm_db.prepare(connection, query)
ibm_db.bind_param(stmt, 1, username)
ibm_db.bind_param(stmt, 2, email_id)
ibm_db.bind_param(stmt, 3, phone_no)
ibm_db.bind_param(stmt, 4, password)
ibm_db.execute(stmt)

msg = 'You have successfully Logged In!!'

return render_template('login.html', msg=msg)

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else:

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msg = 'PLEASE FILL OUT OF THE FORM'

return render_template('register.html', msg=msg)

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@app.route('/login', methods=['GET', 'POST'])
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def login():
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    global userid
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    msg = ''
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```
    if request.method == "POST":
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        username = request.form['username']
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        password = request.form['password']
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```
        query = "select * from user1 where username=? and password=?"
```

```
        stmt = ibm_db.prepare(connection, query)
```

```
        ibm_db.bind_param(stmt, 1, username)
```

```
        ibm_db.bind_param(stmt, 2, password)
```

```
        ibm_db.execute(stmt)
```

```
        account = ibm_db.fetch_assoc(stmt)
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        print(account)
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    if account:
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    session['Loggedin'] = True

    session['id'] = account['USERNAME']

    session['username'] = account['USERNAME']

    msg = 'Logged in Successfully'

    return render_template('welcome.html', msg=msg, username=str.upper(username))

else:

    msg = 'Incorrect Username or Password'

    return render_template('login.html', msg=msg)

else:

    msg = 'PLEASE FILL OUT OF THE FORM'

    return render_template('login.html', msg=msg)

@app.route('/welcome', methods=['GET', 'POST'])
def welcome():

    if request.method == 'POST':

        username = request.form['username']

        print(username)

        return render_template('welcome.html', username=username)

    else:

        return render_template('welcome.html', username=username)

if __name__ == "__main__":

    app.run(debug=True)

    app.run(host='0.0.0.0')
```