

```

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

import ibm_db

import re


app = Flask(__name__)


hostname = '21fecfd8-47b7-4937-840d-
d791d0218660.bs2io90l08kqb1od8lcg.databases.appdomain.cloud'

uid = 'dhy34269'

pwd = '1Vc6K4q0PZJcPBEE'

driver = "{IBM DB2 ODBC DRIVER}"

db_name = 'bludb'

port = '31864'

protocol = 'TCPIP'

cert = "/home/zeus/Documents/IBM/DigiCertGlobalRootCA.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)

# 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:
            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)
    else:
        msg = 'PLEASE FILL OUT OF THE FORM'
        return render_template('register.html', msg=msg)

```

```
@app.route('/login', methods=['GET', 'POST'])
```

```
def login():
```

```

    global userid
    msg = ''
    if request.method == "POST":
        username = request.form['username']
        password = request.form['password']
        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)
        print(account)
        if account:
            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')
```