

```
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/tamilarasan/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)
```

```
# 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 addres"
    # 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['USERNAM

```

```

E']
session['username']
=
account['USERNAM
E']      msg =
'Logged in
Successfully'
return
render_template('w
elcome.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')
```