

# Create IBM DB2 and Connect with Python

## Home.html

```
<html>
<head>
    <title> HELLO</title>
</head>
<body>
    <h1>LOGIN SUCCESSFUL</h1>
</body>
</html>
```

## Login.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Plasma donor</title>
```

```
<link rel="stylesheet" type="text/css" href="{{
url_for('static', filename='style.css')}}">

<link
href="https://fonts.googleapis.com/css2?family=Jost:w
ght@500&display=swap" rel="stylesheet">

</head>

<body>

    <div class="main">

        <h4>{{msg}}</h4>

        <input type="checkbox" id="chk" aria-
hidden="true">

        <div class="signup">

            <form action = "{{ url_for('register') }}"
method = "POST" >

                <label for="chk" aria-hidden="true">Sign
up</label>

                <input type="text" name="username"
placeholder="Name" required="">

                <input type="email" name="email"
placeholder="Email" required="">

                <input type="number" name="phone"
placeholder="Phone number" required="">
```

```
        <input type="number" name="age"
placeholder="Age" required="">
```

```
        <input type="text" name="bloodgroup"
placeholder="Blood group" required="">
```

```
        <input type="text" name="place"
placeholder="Place" required="">
```

```
        <input type="password" name="password"
placeholder="Password" required="">
```

```
        <button>Sign up</button>
```

```
    </form>
```

```
</div>
```

```
<div class="login">
```

```
    <form action = "{{ url_for('login') }}" method =
"POST">
```

```
        <label for="chk" aria-
hidden="true">Login</label>
```

```
        <input type="email" name="email"
placeholder="Email" required="">
```

```
        <input type="password" name="password"
placeholder="Password" required="">
```

```
        <button>Login</button>
```

```
    </form>
```

```
        </div>
    </div>
</body>
</html>
<!-- partial -->
</body>
</html>
```

### **app.py**

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

import ibm_db

conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=
b1bc1829-6f45-4cd4-bef4-
10cf081900bf.c1ogj3sd0tgtu0lqde00.databases.appdo
main.cloud;PORT=32304;SECURITY=SSL;SSLServerCertif
icate=DigiCertGlobalRootCA
.crt;AUTHENTICATION=SERVER;UID=cxv46470;PWD=gj
V37V3l8fdjQjbQ","")

app = Flask(__name__)

@app.route("/")
```

```
def log():
    return render_template('login.html')

@app.route('/home')
def home():
    return render_template('home.html')

@app.route('/register', methods = ['POST', 'GET'])
def register():
    if request.method == 'POST':
        name = request.form['username']
        email = request.form['email']
        phone = request.form['phone']
        age = request.form['age']
        bloodgroup = request.form['bloodgroup']
        address = request.form['place']
        password = request.form['password']
        sql = "SELECT * FROM register WHERE email =?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt,1,email)
        ibm_db.execute(stmt)
```

```
account = ibm_db.fetch_assoc(stmt)

if account:

    return render_template('login.html', msg="You are
already a member, please login using your details")

else:

    insert_sql = "INSERT INTO register VALUES
(?,?,?,?,?,?,?)"

    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prepare_stmt, 1, name)
    ibm_db.bind_param(prepare_stmt, 2, email)
    ibm_db.bind_param(prepare_stmt, 3, phone)
    ibm_db.bind_param(prepare_stmt, 4, age)
    ibm_db.bind_param(prepare_stmt, 5, bloodgroup)
    ibm_db.bind_param(prepare_stmt, 6, address)
    ibm_db.bind_param(prepare_stmt, 7, password)
    ibm_db.execute(prepare_stmt)

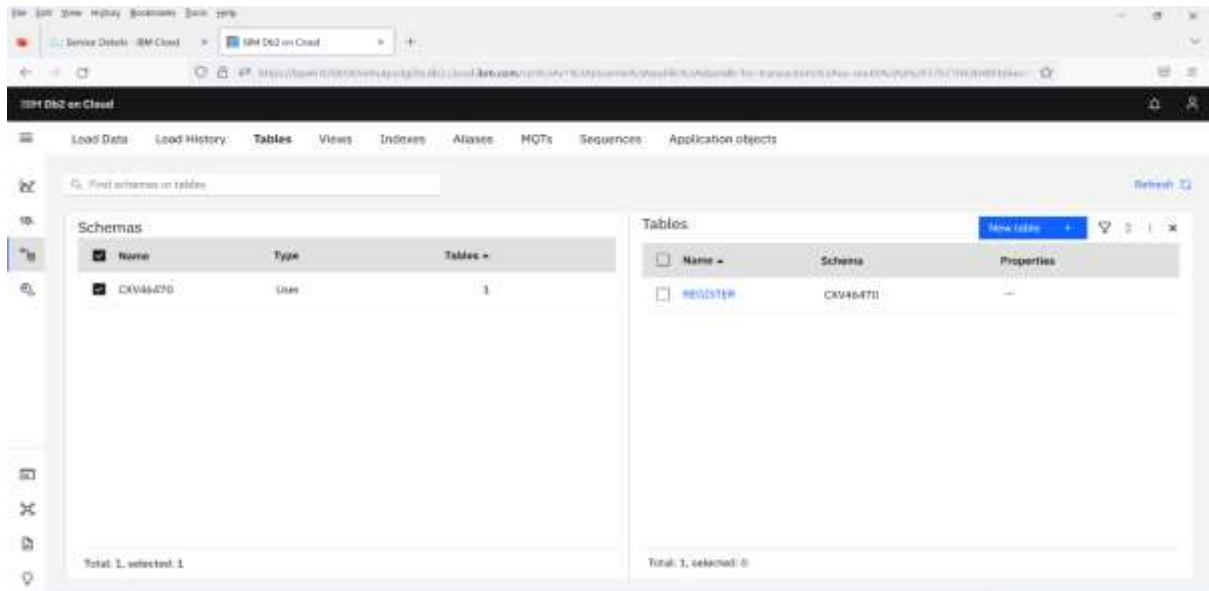
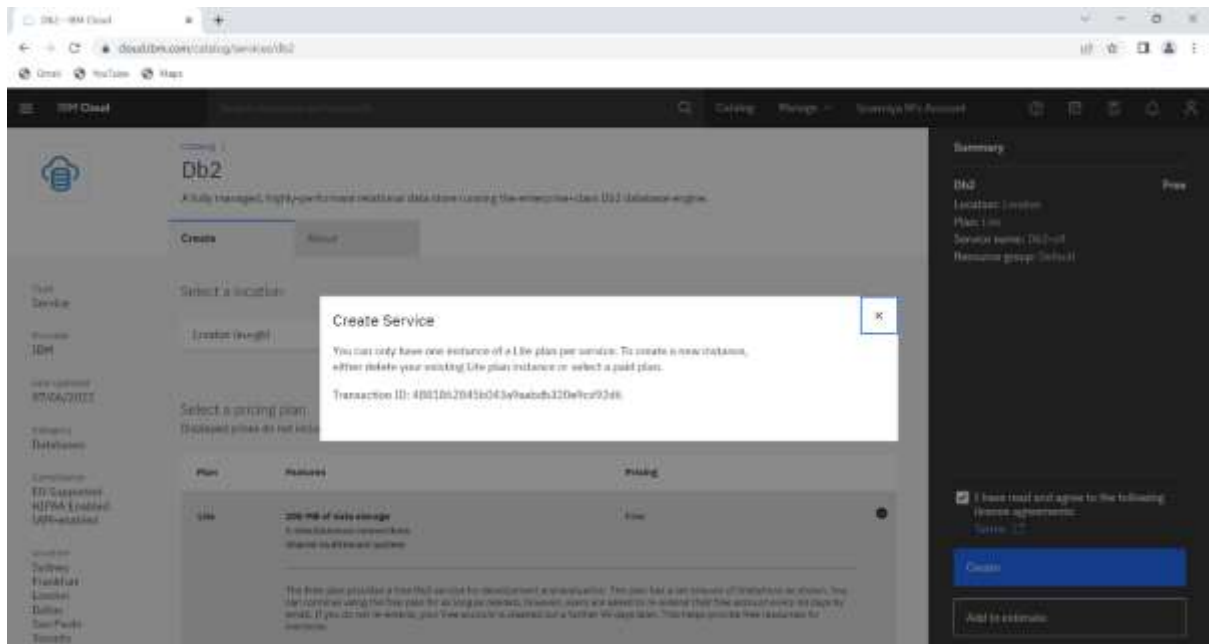
    return render_template('login.html', msg="Data
saved successfully..Please login using your details")

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

def login():

    email = request.form['email']
```

```
password = request.form['password']  
sql = "SELECT * FROM register WHERE email =? AND  
password=?"  
stmt = ibm_db.prepare(conn, sql)  
ibm_db.bind_param(stmt,1,email)  
ibm_db.bind_param(stmt,2,password)  
ibm_db.execute(stmt)  
account = ibm_db.fetch_assoc(stmt)  
if account:  
    return render_template('home.html')  
else:  
    return render_template('login.html', msg="Login  
unsuccessful. Incorrect username / password !")
```





IBM Db2 on Cloud

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

Find schema or table

Tables

Name	Schema	Properties
REGISTER	CXV46470	

Total 1 selected: 0

Table definition

Name	Data type	Nullable	Length	Scale
NAME	VARCHAR	N	32	0
EMAIL	VARCHAR	N	30	0
PHONE	BIGINT	N		0
AGE	INTEGER	N		0
BLOODGROUP	VARCHAR	N	1	0
ADDRESS	VARCHAR	N	32	0

View data

IBM Db2 on Cloud

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

CXV46470.REGISTER

Export to CSV

NAME	EMAIL	PHONE	AGE	BLOODGROUP	ADDRESS	PASSWORD	CYPASSWORD
Krishna	krishna2008@gmail.com	9787571777	30	O+	TCH	1908	1908