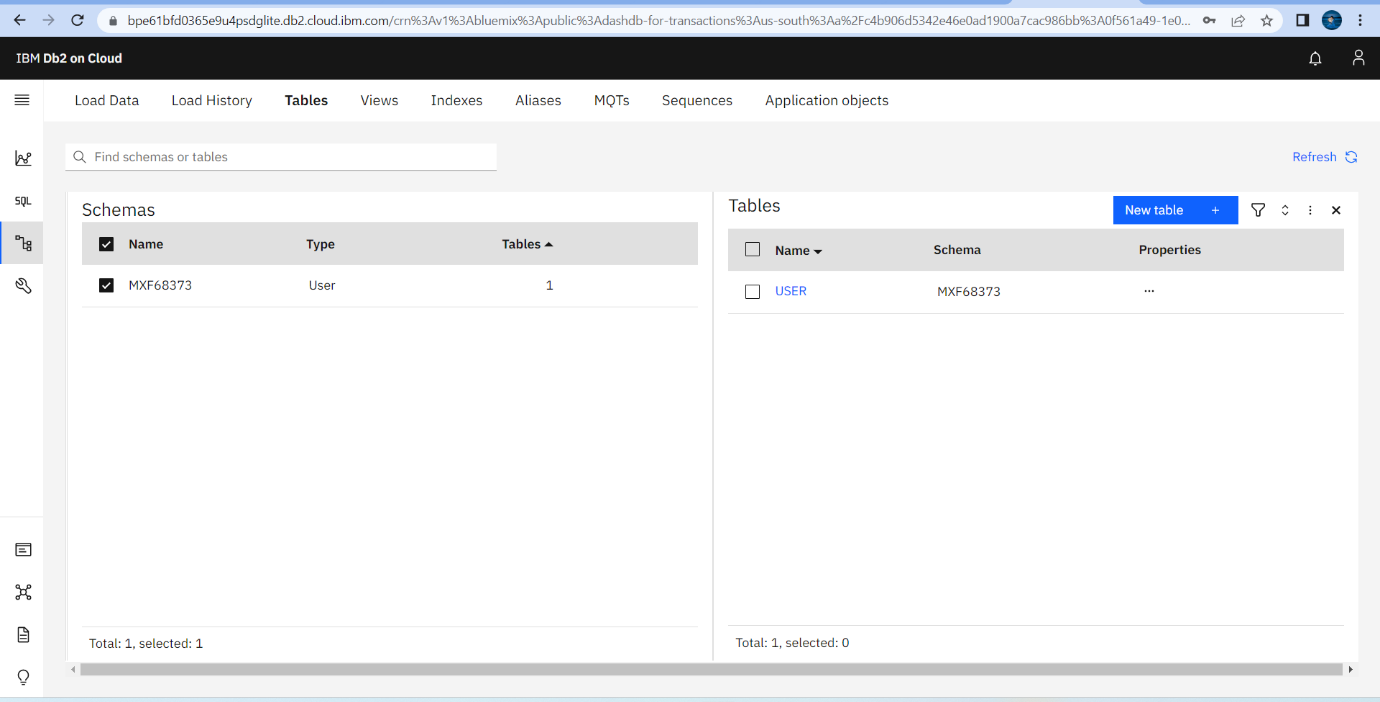
IBM DB2 WITH PYTHON

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| Team ID | PNT2022TMID42135 |
| Project Name | Customer care Registry. |

IBM Db2 service in the IBM cloud and connect the python code with DB:



Python code with DB:

from flask import Flask, render\_template, request, redirect, url\_for, session import ibm\_db

import re

app = Flask( name )

hostname = “1bbf73c5-d84a-4bb0-85b9- ab1a4348f4a4.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud"

uid = ' mxf68373'

pwd = ' Pm0CqXpJKaSYpbDu'

driver = "{IBM DB2 ODBC DRIVER}"

db\_name = 'Bludb' port = '32286' protocol = 'TCPIP'

cert = "C:/Users/xmin1/Downloads/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() app.secret\_key = 'a'

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

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('index.html', msg=msg) 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('search.html', msg=msg) else:

msg = 'PLEASE FILL OUT OF THE FORM'

return render\_template('index.html', msg=msg) @app.route('/index', 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('search.html',msg=msg) else:

msg = 'Incorrect Username or Password' return render\_template('index.html', msg=msg) else:

msg = 'PLEASE FILL OUT OF THE FORM'

return render\_template('index.html', msg=msg) @app.route('/welcome', methods=['GET', 'POST']) def welcome():

if request.method == 'POST': username = request.form['username'] print(username)

return render\_template('search.html') else:

return render\_template('search.html') if name == " main ": app.run(debug=True) app.run(host='0.0.0.0')