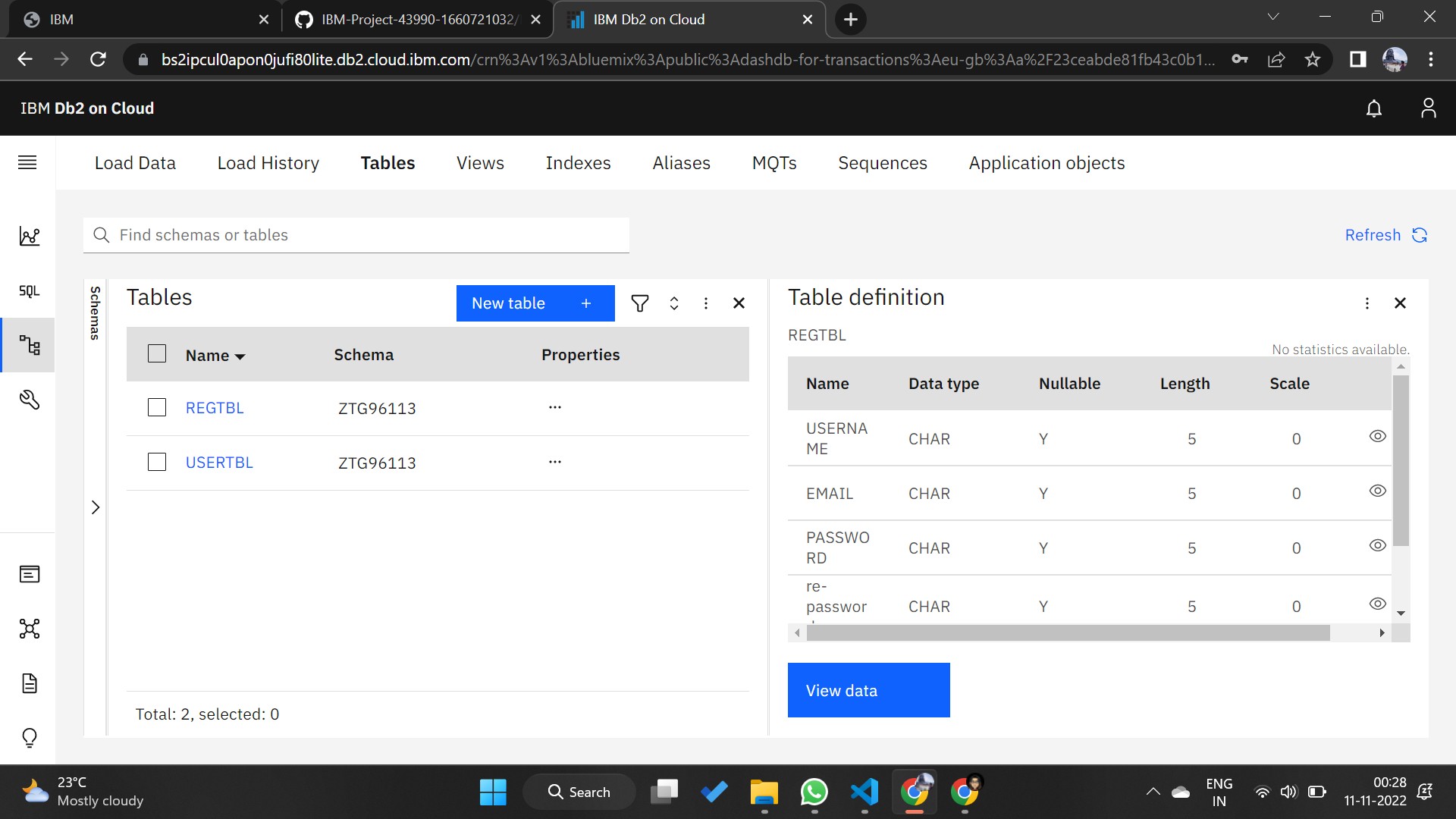
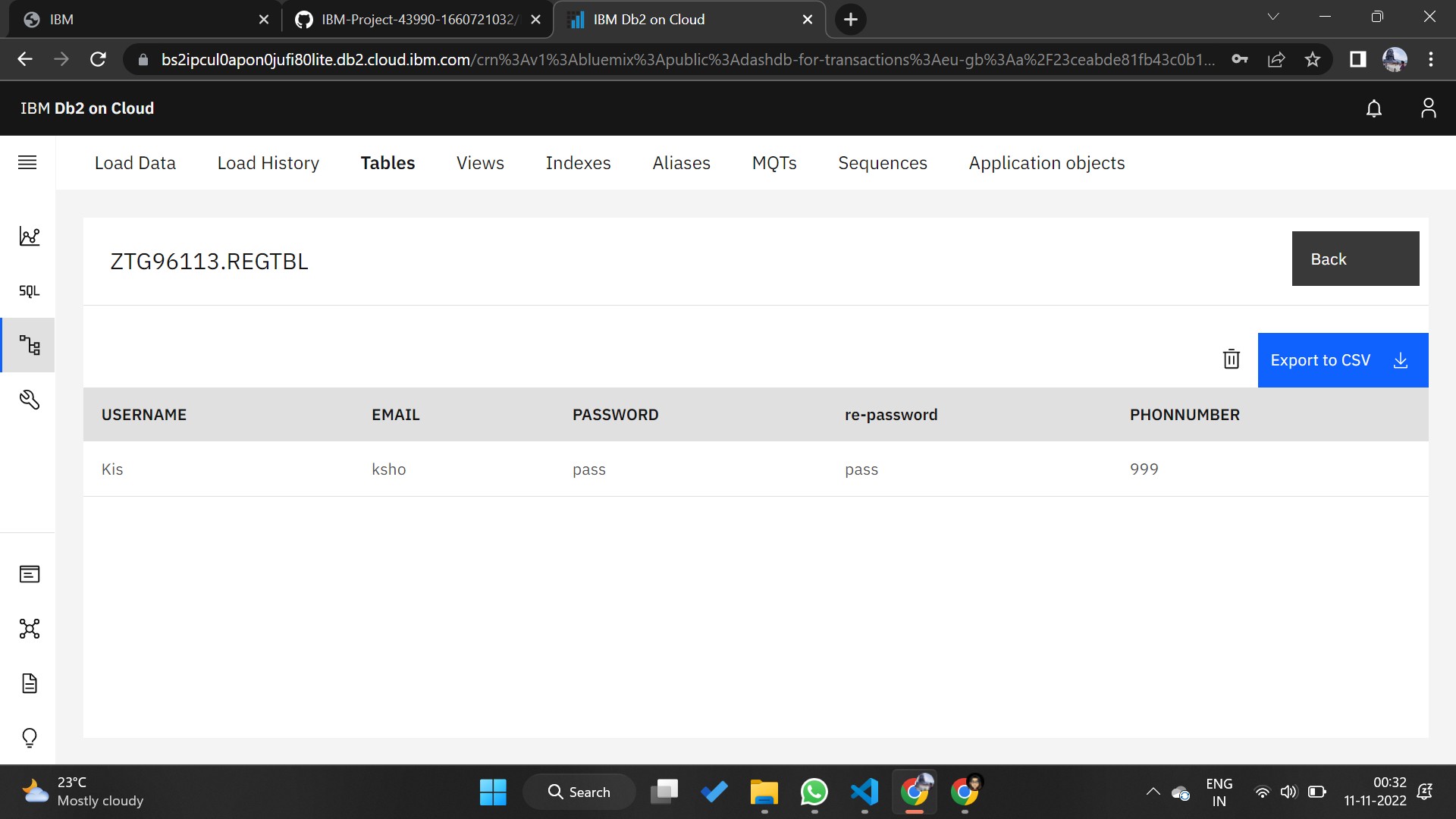
IMPLEMENTING WEB APPLICATION

Create IBM DB2 And Connect With Python

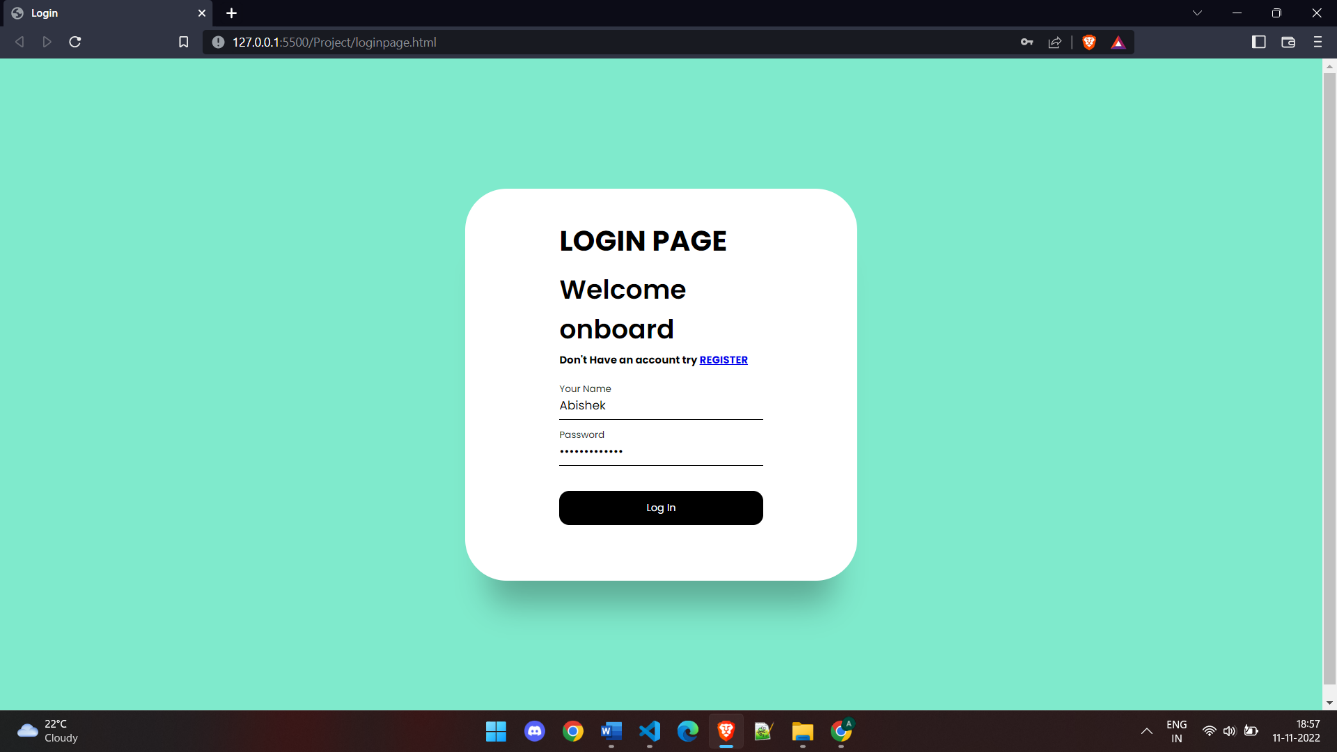
|  |  |
| --- | --- |
| Team ID | PNT2022TMID17805 |
| Project Name | Customer Care Registry |

**IBM DB2:**

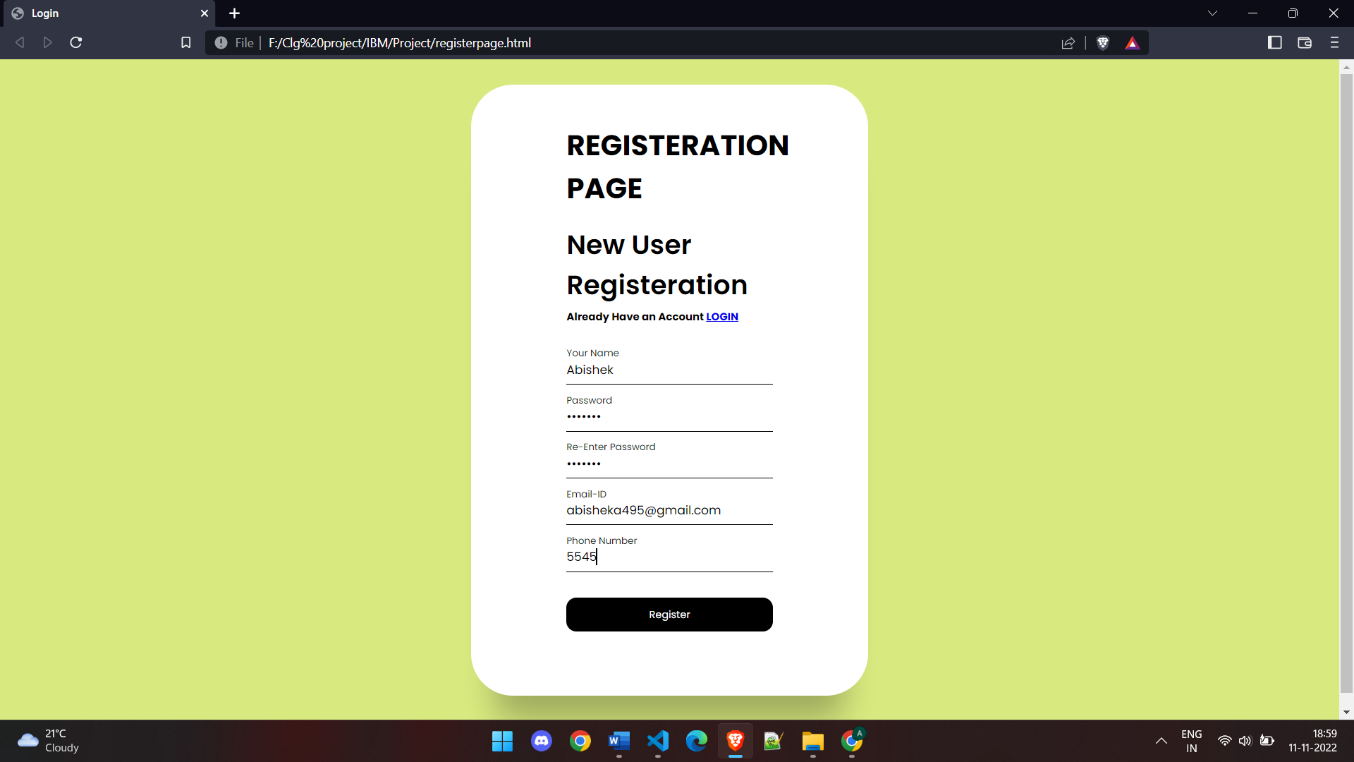




**Login Page:**

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**Registeration Page:**

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**App.py**

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

import ibm\_db import re

app = Flask( name )

app.secret\_key = 'a'

conn = ibm\_db.connect(

"DATABASE=#;HOSTNAME=#;PORT=32731;USERNAME=#PASSWORD=#;SECURITY=SSL;SSL

SERVERCERTIFICATE=DigiCertGlobalRootCA.crt;", "", "")

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

msg = ''

if request.method == 'POST':

username = request.form['username'] email = request.form['email'] password = request.form['password']

sql = "SELECT \* FROM users WHERE username =?" stmt = ibm\_db.prepare(conn, sql) ibm\_db.bind\_param(stmt, 1, username) ibm\_db.execute(stmt)

account = ibm\_db.fetch\_assoc(stmt) print(account)

if account:

msg = 'Account already exists !'

elif not re.match(r'[^@]+@[^@]+\.[^@]+', email): msg = 'Invalid email address !'

elif not re.match(r'[A-Za-z0-9]+', username):

msg = 'name must contain only characters and numbers !' else:

insert\_sql = "INSERT INTO users VALUES (?, ?, ?)" prep\_stmt = ibm\_db.prepare(conn, insert\_sql) ibm\_db.bind\_param(prep\_stmt, 1, username)

ibm\_db.bind\_param(prep\_stmt, 2, email)

ibm\_db.bind\_param(prep\_stmt, 3, password)

ibm\_db.bind\_param(prep\_stmt, 4, re-password)

ibm\_db.bind\_param(prep\_stmt, 6, phonnumber) ibm\_db.execute(prep\_stmt)

msg = 'You have successfully registered !' elif request.method == 'POST':

msg = 'Please fill out 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']

sql = "SELECT \* FROM users WHERE username =? AND password=?" stmt = ibm\_db.prepare(conn, sql)

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'] userid = account['USERNAME']

session['username'] = account['USERNAME'] msg = 'Logged in successfully !'

msg = 'Logged in successfully !'

return render\_template('dashboard.html', msg=msg) else:

msg = 'Incorrect username / password !'

return render\_template('login.html', msg=msg)

if name == ' main ': app.run(host='0.0.0.0')

# app.run(debug=True)