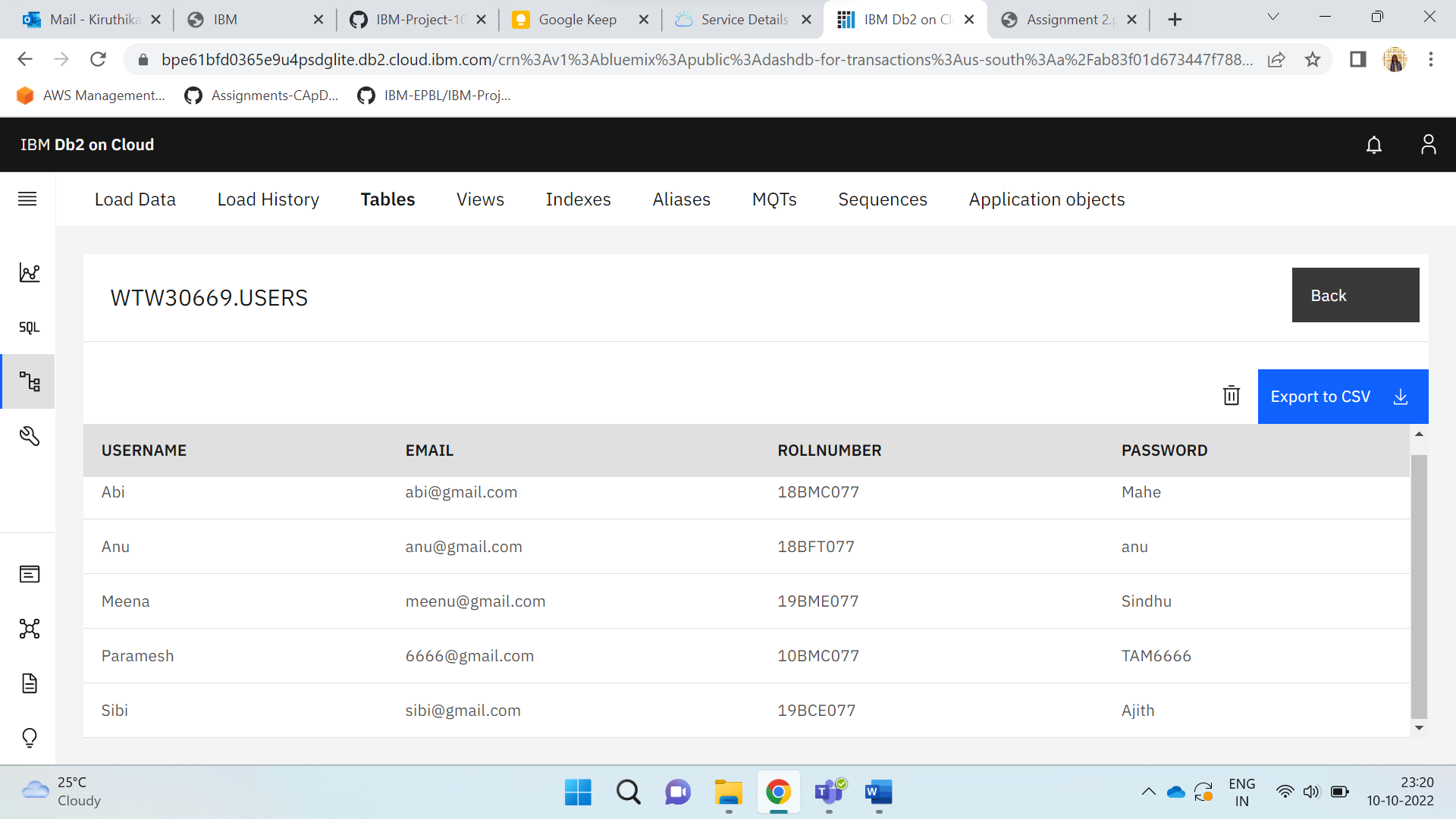
Kiruthika P

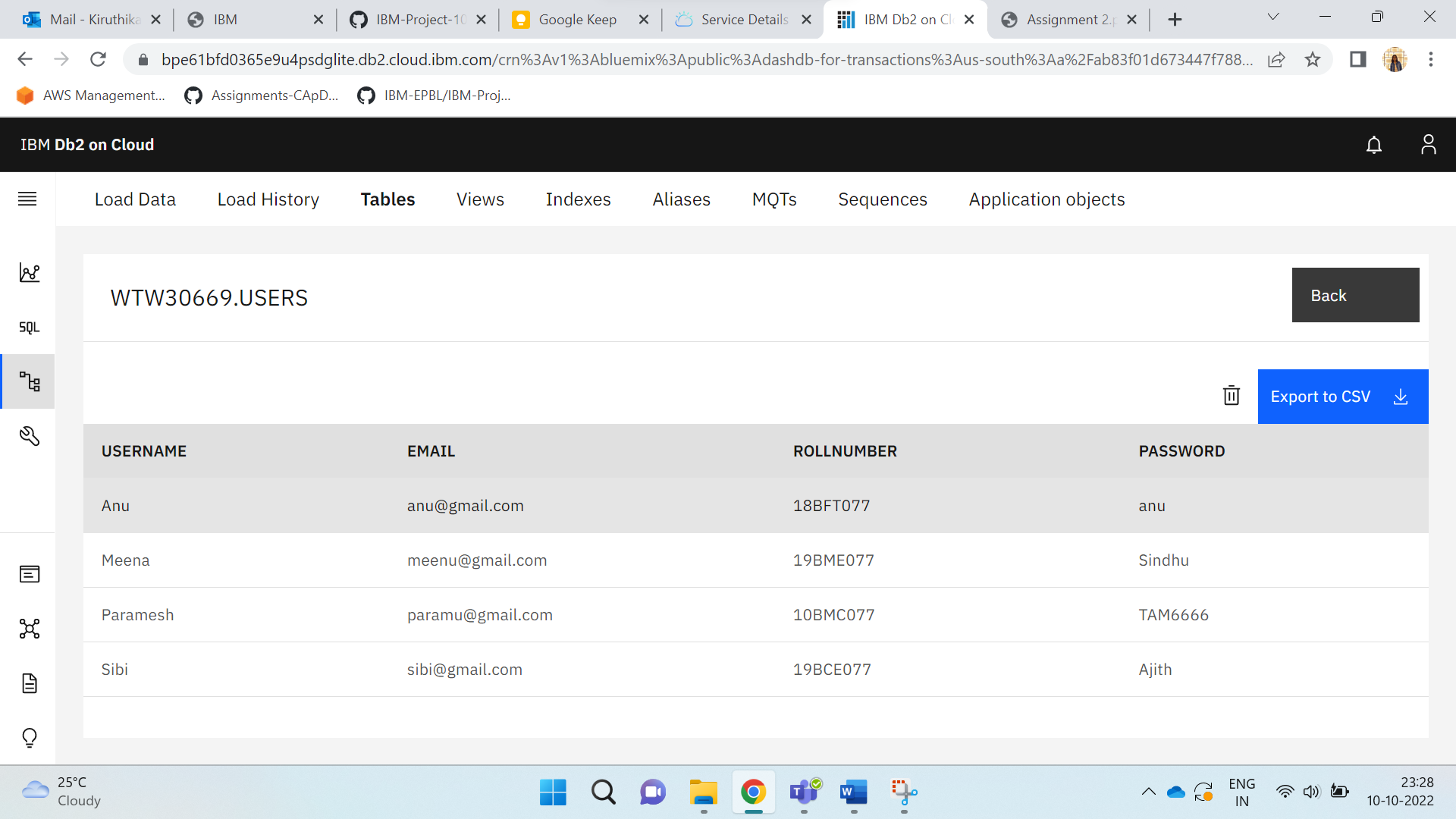
19BCS077

Nalaiya Thiran IBM Assignment – 02

1.Create User table with user with email.username.roll number password.



2. Performing update & delete queries



insert into Users values('Abi','abi@gmail.com','18BMC077','Mahe');

insert into Users values('Sibi','sibi@gmail.com','19BCE077','Ajith');

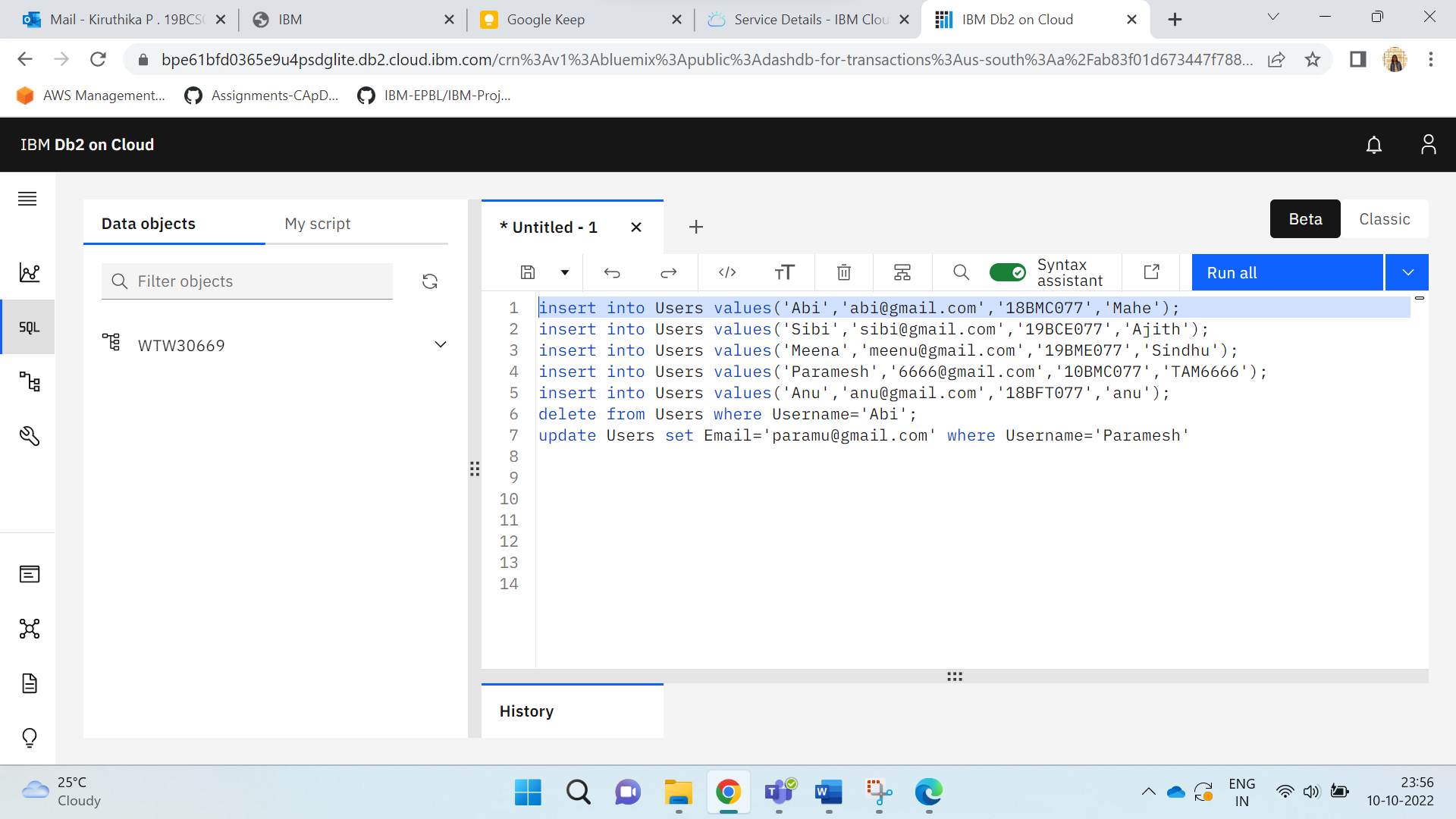
insert into Users values('Meena','meenu@gmail.com','19BME077','Sindhu');

insert into Users values('Paramesh','6666@gmail.com','10BMC077','TAM6666');

insert into Users values('Anu','anu@gmail.com','18BFT077','anu');

delete from Users where Username='Abi';

update Users set Email='paramu@gmail.com' where Username='Paramesh'



3. Connect python code to db2

conn = ibm\_db.connect("DATABASE=bludb;"

"HOSTNAME=6667d8e9-9d4d-4ccb-ba32-

21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;"

"PORT=30376;"

"SECURITY=SSL;"

"SSLServerCertificate=C:/Users/bhaua/OneDrive/Desktop/SEM Stuff

KCT/IBM/DigiCertGlobalRootCA.crt;"

"UID=bcv24102;"

"PWD=ilZgx2Zokf2nJOCW;", "", "")

4. Create a flask app with registration page, login page and welcome page. By default load the

registration page once the user enters all the fields store the data in database and navigate to login

page authenticate user username and password, if the user is valid show the welcome page

App.py

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

import ibm\_db

import re

app = Flask(\_\_name\_\_)

app.secret\_key = 'Zenik'

conn = ibm\_db.connect("DATABASE=bludb;"

"HOSTNAME=6667d8e9-9d4d-4ccb-ba32-

21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;"

"PORT=30376;"

"SECURITY=SSL;"

"SSLServerCertificate=C:/Users/bhaua/OneDrive/Desktop/SEM Stuff

KCT/IBM/DigiCertGlobalRootCA.crt;"

"UID=bcv24102;"

"PWD=ilZgx2Zokf2nJOCW;", "", "")

@app.route('/')

@app.route('/home')

def home():

return render\_template('home.html', title='Home', msg=" ")

@app.route('/dashboard')

def dashboard():

sql = "SELECT \* FROM USERS WHERE username =?"

stmt = ibm\_db.prepare(conn, sql)

ibm\_db.bind\_param(stmt, 1, session['username'])

ibm\_db.execute(stmt)

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

return render\_template('dashboard.html', title='Dashboard', account=account)

@app.route('/logout')

def logout():

session.pop('Loggedin', None)

session.pop('id', None)

session.pop('username', None)

return redirect('/')

@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']

return redirect('/dashboard')

else:

msg = "Incorrect login credentials"

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

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

def register():

msg = " "

if request.method == "POST":

username = request.form['username']

email = request.form['email']

password = request.form['password']

password1 = request.form['password1']

rollno = request.form['rollno']

sql = "SELECT \* FROM USERS WHERE username =? or email=? "

stmt = ibm\_db.prepare(conn, sql)

ibm\_db.bind\_param(stmt, 1, username)

ibm\_db.bind\_param(stmt, 2, email)

ibm\_db.execute(stmt)

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

print(account)

if account:

msg = "Account already exists"

elif password1 != password:

msg = "re-entered password doesnt match"

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

msg = "Username should be only alphabets and numbers"

else:

sql = "INSERT INTO USERS VALUES (?,?,?,?)"

stmt = ibm\_db.prepare(conn, sql)

ibm\_db.bind\_param(stmt, 1, username)

ibm\_db.bind\_param(stmt, 2, email)

ibm\_db.bind\_param(stmt, 3, rollno)

ibm\_db.bind\_param(stmt, 4, password)

ibm\_db.execute(stmt)

return redirect('/login')

return render\_template('register.html', msg=msg, title="Register")

if \_\_name\_\_ == '\_\_main\_\_':

app.run()

