**ASSINGMENT -2**

**1.Create user table with user with email, username, roll number password**

CREATE TABLE user (

roll\_number int, username varchar(300), email varchar(300), password varchar(300)

);

**2. Perform UPDATE, DELETE Queries with user table**

**INSERT Statement:**

INSERT INTO user

( roll\_number, username ,email, password) VALUES

(1, 'sakthi', ' sakthihcs7302@gmail.com','sakthi007'),

(2, 'ayisha', 'ayishasiddhika@gmail.com','ayisha007'),

(3, 'janani', 'janani325@gmail.com', 'janani123'),

(4, 'esaiyazhini', 'esaiyazhini2020@gmail.com','esai123');

**UPDATE Statement:**

UPDATE users

SET username = 'ayisha'

WHERE roll\_number = '4'

**DELETE Statemnet:**

insert into user values(4,'aa','aaa@gmail.com','aasdfg2') ;

delete from user where roll\_number='4'

**3.Connect python with db2**

conn = ibm\_db.connect("DATABASE=bludb;HOSTNAME=824dfd4d- 99de-440d-9991- 629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;

PORT=3

0119;SECURITY=SSL; SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD=B snsG1l2sBgIRhVN",' ','')

**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**

from flask import Flask, render\_template, request, redirect, url\_for, session from flask\_mysqldb import MySQL import MySQLdb.cursors

import reapp = Flask(\_\_name\_\_) app.secret\_key

= 'your secret key' app.config['MYSQL\_HOST'] = 'localhost' app.config['MYSQL\_USER'] = 'root' app.config['MYSQL\_PASSWORD'] = 'your password' app.config['MYSQL\_DB'] = 'geeklogin' mysql =

MySQL(app)

@app.route('/')

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

msg = ''if request.method == 'POST' and 'username' in request.form and 'password' in request.form:

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

cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor)

cursor.execute('SELECT \* FROM accounts WHERE username = % s

AND password = % s', (username, password,

)) account = cursor.fetchone() if account:

session['loggedin'] = True session['id'] = account['id'] session['username'] = account['username'] msg = 'Logged in successfully !' return render\_template('index.html', msg = msg) else:

msg = 'Incorrect username / password !'

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

@app.route('/logout') def logout():

session.pop('loggedin', None) session.pop('id', None)

session.pop('username', None) return redirect(url\_for('login'))

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

msg = ''

if request.method == 'POST' and 'username' in request.form and 'password'

in request.form and 'email' in request.form :

username = request.form['username']

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

cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor) cursor.execute('SELECT \* FROM accounts WHERE username = % s',

(username, ))

account = cursor.fetchone()

if account:

msg = 'Account already exists !' elif not re.match(r'[^@]+@[^@]+\.[^@]+', email): msg = 'Invalid email address !' elif not re.match(r'[A-Za-z09]+', username): msg = 'Username must contain only characters and numbers !' elif not username or not password or not email:

msg = 'Please fill out the form !'

else:

cursor.execute('INSERT INTO accounts VALUES (NULL, % s, % s, % s)', (username, password, email, ))

mysql.connection.commit() msg = 'You have successfully registered !' elif request.method == 'POST':

msg = 'Please fill out the form !'return

render\_template('register.html', msg = msg)