Assignment -2

Assignment Date	19 September 2022
Student Name	Ajai v
Student Roll Number	AC19UIT001
Maximum Marks	2 Marks

Question-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)
);
```

```
CREATE TABLE users (
    roll_number int,
    username varchar(300),
    email varchar(300),
    password varchar(300)
);
```

Output

SQL query successfully executed. However, the result set is empty.

1. Perform UPDATE, DELETE Queries with user table

INSERT Statement:

INSERT INTO user

(roll_number, username ,email, password) VALUES

       (1, 'Ajai', 'ajai@gmail.com','ajai123'),

       (2, 'darshan','darshan@gmail.com','darshan123'),

       (3, 'jakir', 'jakir@gmail.com','jakir000'),

       (4,'karthi','karthi@gmail.com','karthi777'),

       (5, 'gopinath', 'gopi@gmail.com','prasanth123');

Input   ☾   ⋮   **Run SQL**

```
INSERT INTO user
    ( roll_number, username ,email, password)  VALUES
            (1, 'Ajai', 'ajai@gmail.com','ajai123'),
              (2, 'darshan','darshan@gmail.com','darshan123'),
               (3, 'jakir', 'jakir@gmail.com','jakir000'),
           (4,'karthi','karthi@gmail.com','karthi777'),
             (5, 'gopinath', 'gopi@gmail.com','prasanth123');
```

Output   Available Tables

User

roll_number	username	email	password
1	Ajai	ajai@gmail.com	ajai123
2	darshan	darshan@gmail.com	darshan123
3	jakir	jakir@gmail.com	jakir000
4	karthi	karthi@gmail.com	karthi777
5	gopinath	gopi@gmail.com	prasanth123

UPDATE Statement:

UPDATE users

SET username = 'jack'

WHERE roll_number = '3'

Input   ☾ ⋮ **Run SQL**

```
UPDATE user
        SET username = 'jack'
        WHERE roll_number = '3'
```

Output		Available Tables	
roll_number	username	email	password
1	Ajai	ajai@gmail.com	ajai123
2	darshan	darshan@gmail.com	darshan123
3	jack	jakir@gmail.com	jakir000
4	karthi	karthi@gmail.com	karthi777
5	gopinath	gopi@gmail.com	prasanth123

Insert Statement:

insert into user values(5,'decaprio','cap@gmail.com','cap1007') ;

Input   ☾ ⋮ **Run SQL**

```
insert into user values(5,'decaprio','cap@gmail.com','cap1007') ;
```
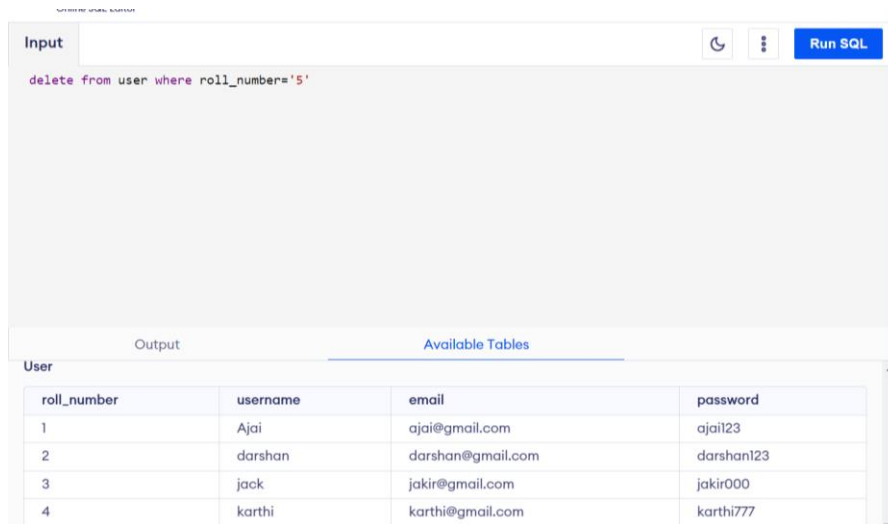
Output		Available Tables	
1	Ajai	ajai@gmail.com	ajai123
2	darshan	darshan@gmail.com	darshan123
3	jack	jakir@gmail.com	jakir000
4	karthi	karthi@gmail.com	karthi777
5	gopinath	gopi@gmail.com	prasanth123
5	decaprio	cap@gmail.com	cap1007

DELETE Statement:

delete from users where roll_number='5'

Connect python with db2

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=824dfd4d-99de-440d- 9991-
629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30119;SE
CURITY=SSL
        ;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD=BsnsG1l2s
BgIRhVN",'          ','')
```

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'

```python
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():
```

```python
    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-z0-9]+', 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 !'
```
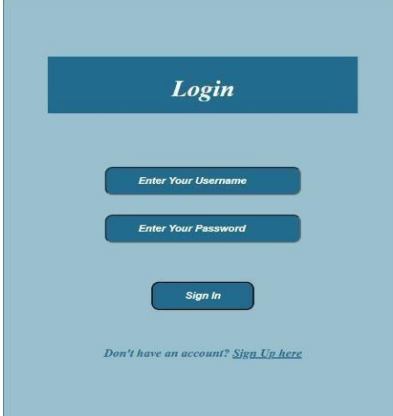
```
elif request.method == 'POST':

        msg = 'Please fill out the form !'

return render_template('register.html', msg = msg)
```

Register

Enter Your Username

Enter Your Password

Enter Your Email ID

Sign Up

Already have an account? Sign In here

Login

Enter Your Username

Enter Your Password

Sign In

Don't have an account? Sign Up here

Index

Hi user!!

Welcome to the index page...

Logout