

Assignment -2

Assignment Date	19 September 2022
Student Name	Karthi D S
Student Roll Number	AC19UIT021
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

```
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

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

Run SQL

Output

Available Tables

roll_number	username	email	password
1	Ajai	ajai@gmail.com	ajail23
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

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

Run SQL

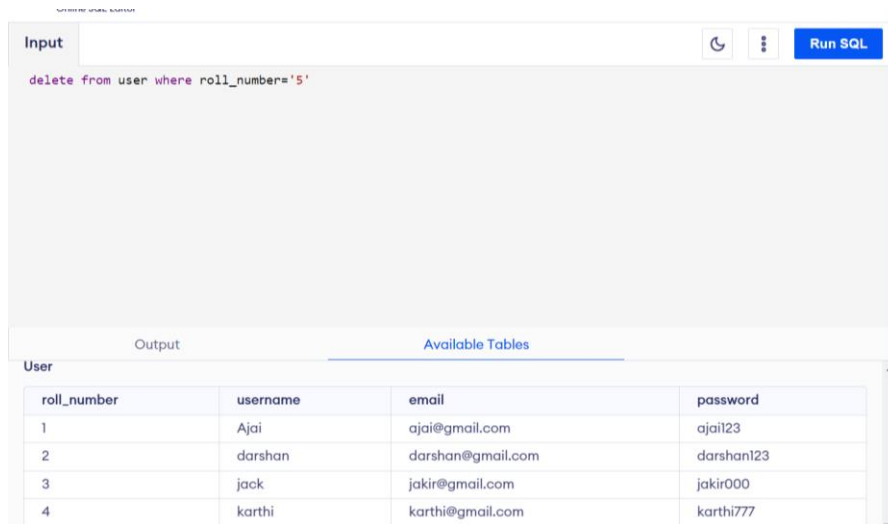
Output

Available Tables

1	Ajai	ajai@gmail.com	ajail23
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'



The screenshot shows a web-based SQL interface. The 'Input' tab is active, displaying the SQL query: `delete from user where roll_number='5'`. A 'Run SQL' button is visible. Below the input, the 'Output' tab is active, showing a table with the following data:

roll_number	username	email	password
1	Ajai	ajai@gmail.com	ajail23
2	darshan	darshan@gmail.com	darshan123
3	jack	jakir@gmail.com	jakir000
4	karthi	karthi@gmail.com	karthi777

To the right of the output table, there is a section titled 'Available Tables' which is currently empty.

Connect python with db2

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=824dfd4d-99de-440d- 9991-629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30119;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD=BsnsG112sBgIRhVN";
```

```
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-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:

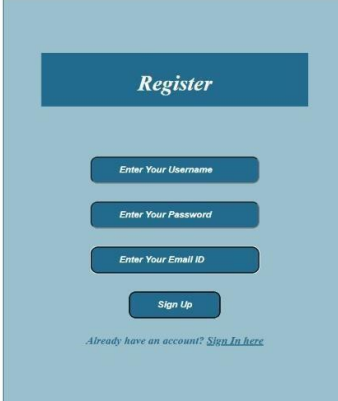
        cursor.execute('INSERT INTO accounts VALUES (NULL, % s, % s, % s)',
(username, password, email, ))

        mysql.connection.commit()

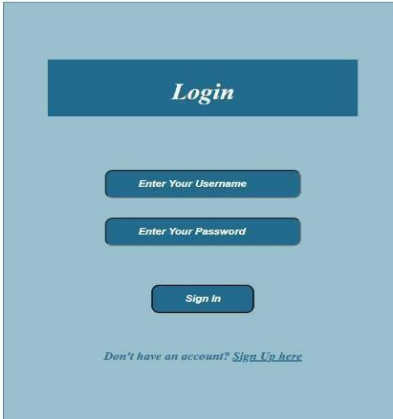
        msg = 'You have successfully registered !'

```

```
elif request.method == 'POST':  
    msg = 'Please fill out the form !'  
    return render_template('register.html', msg = msg)
```



A registration form with a light blue background. At the top is a dark blue header with the word "Register" in white. Below it are four input fields: "Enter Your Username", "Enter Your Password", "Enter Your Email ID", and "Sign Up". At the bottom, there is a link: "Already have an account? [Sign In here](#)".



A login form with a light blue background. At the top is a dark blue header with the word "Login" in white. Below it are two input fields: "Enter Your Username" and "Enter Your Password". At the bottom, there is a "Sign In" button and a link: "Don't have an account? [Sign Up here](#)".



An index page with a light blue background. At the top is a dark blue header with the word "Index" in white. Below it, the text "Hi user!!" and "Welcome to the index page..." are displayed. At the bottom, there is a "Logout" button.