

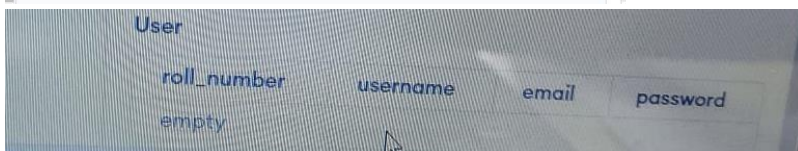
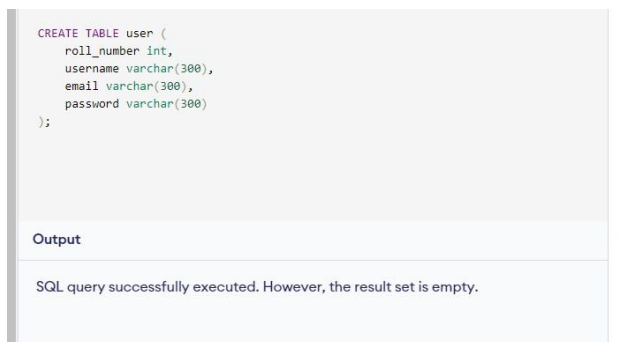
## Assignment -2

|                     |                   |
|---------------------|-------------------|
| Assignment Date     | 19 September 2022 |
| Student Name        | Durgadevi L       |
| Student Roll Number | AC19UIT010        |
| Maximum Marks       | 2 Marks           |

### 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)  
);
```

#### OUTPUT:



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

#### INSERT Statement:

INSERT INTO user

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

(1, 'akshya', 'akshya@gmail.com','akshya123'),

(2, 'ashwini', 'ashwini@gmail.com','ashwini123'),

(3, 'durga', 'durga@gmail.com','durga123'),

(4, 'deekshitha', 'deekshi@gmail.com','deekshi123');

## OUTPUT:

```
INSERT INTO user
(roll_number, username, email, password) VALUES
(1, 'akshya', 'akshya@gmail.com', 'akshya123'),
(2, 'ashwini', 'ashwini@gmail.com', 'ashwini123'),
(3, 'durga', 'durga@gmail.com', 'durga123'),
(4, 'deekshitha', 'deekshi@gmail.com', 'deekshi123');
```

### Output

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

| Output      |          | Available Tables  |            |
|-------------|----------|-------------------|------------|
| roll_number | username | email             | password   |
| 1           | akshya   | akshya@gmail.com  | akshya123  |
| 2           | ashwini  | ashwini@gmail.com | ashwini123 |
| 3           | durga    | durga@gmail.com   | durga123   |
| 4           | deekshi  | deekshi@gmail.com | deekshi123 |

## UPDATE Statement:

UPDATE user

SET username = 'deekshi'

WHERE roll\_number = '4' **OUTPUT:**

```
UPDATE user
SET username = 'deekshi'
WHERE roll_number = '4'
```

### Output

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

```
SELECT * FROM Customers;
```

### Output

### Available Tables

| customer_id | first_name | last_name | age | country |
|-------------|------------|-----------|-----|---------|
| 1           | John       | Doe       | 31  | USA     |
| 2           | Robert     | Luna      | 22  | USA     |
| 3           | David      | Robinson  | 22  | UK      |
| 4           | John       | Reinhardt | 25  | UK      |
| 5           | Betty      | Doe       | 28  | UAE     |

## DELETE Statement:

insert into user values(5,'aa','aaa@gmail.com','aasdfg2') ;

delete from users where roll\_number='5'

## OUTPUT:

```
delete from user where roll_number='5'
```

Output

Available Tables

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

```
delete from user where roll_number='5'
```

Output

Available Tables

| roll_number | username | email             | password   |
|-------------|----------|-------------------|------------|
| 1           | akshya   | akshya@gmail.com  | akshya123  |
| 2           | ashwini  | ashwini@gmail.com | ashwini123 |
| 3           | durga    | durga@gmail.com   | durga123   |
| 4           | deekshi  | deekshi@gmail.com | deekshi123 |

## 3. Connect python with db2

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=824dfd4d-99de-440d-9991629c01b3832d.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_mysql 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, ))

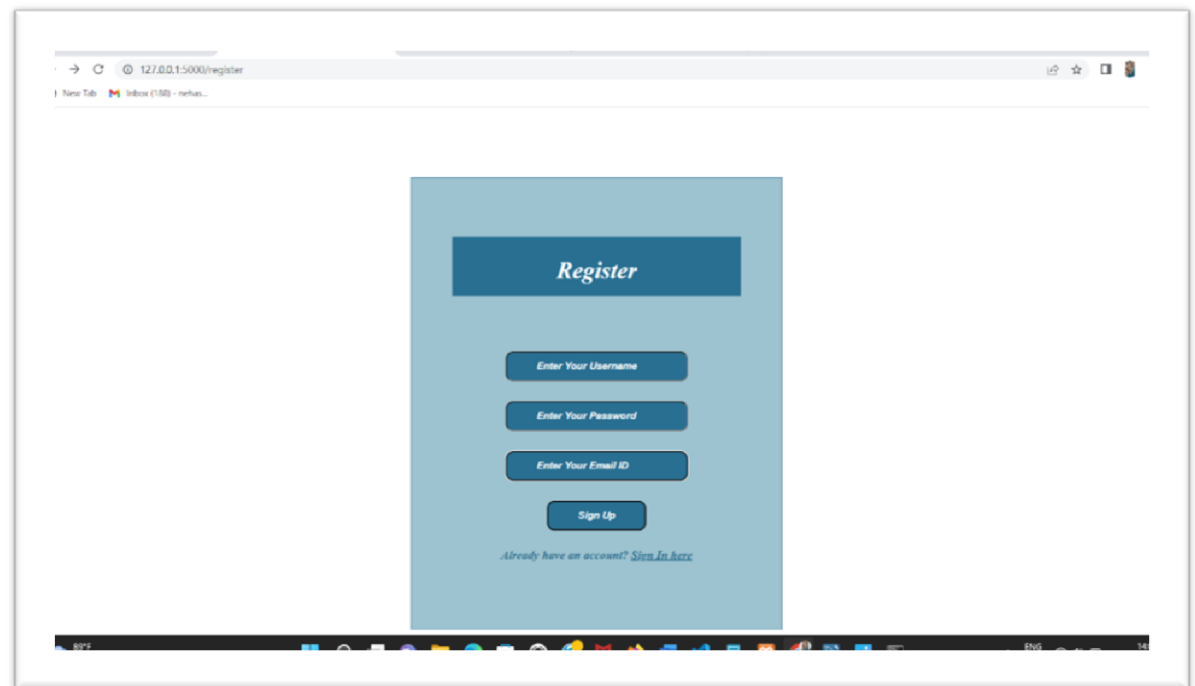
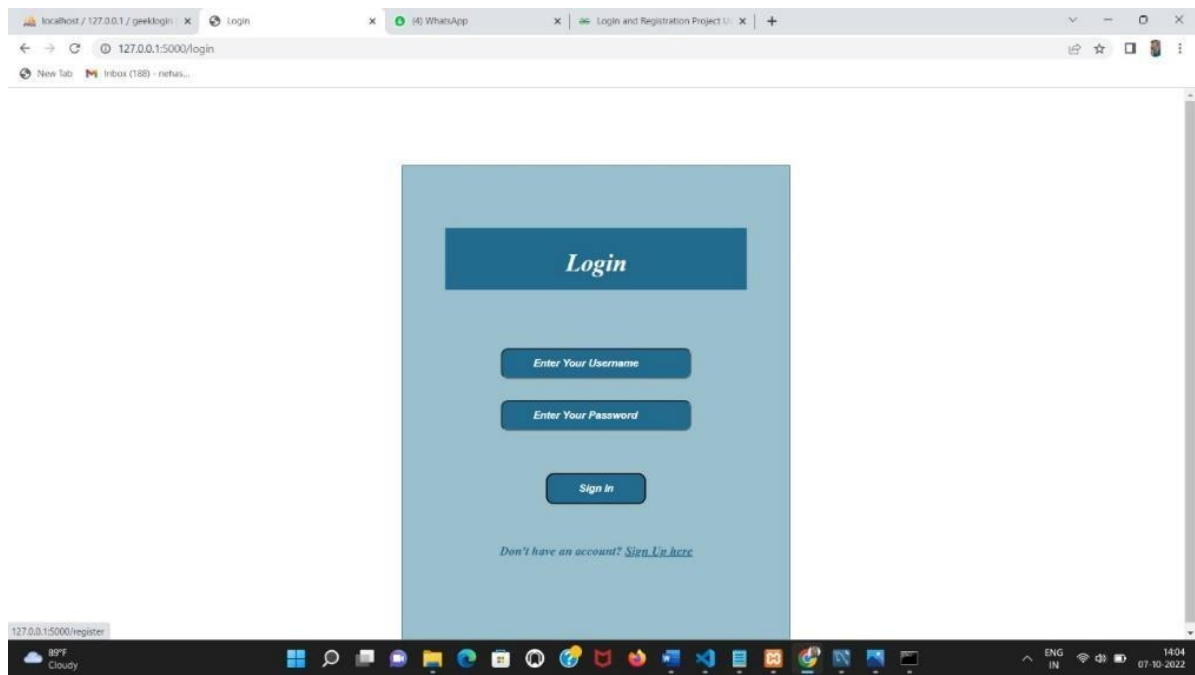
        mysql.connection.commit()

    msg = 'You have successfully registered !' elif request.method
== 'POST':
        msg = 'Please fill out the form !'

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

```

**OUTPUT:**



*Index*

*Hi user!!*

*Welcome to the index page...*

*Logout*