

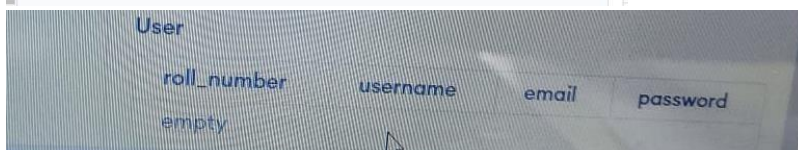
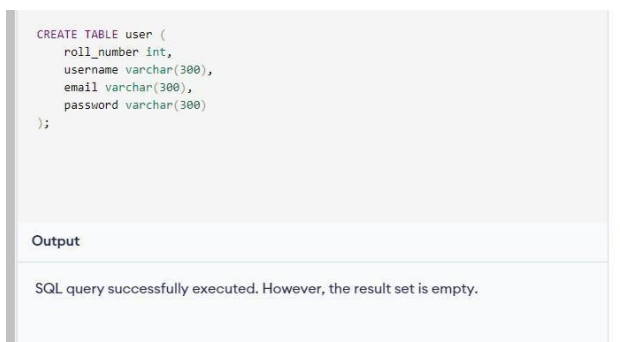
## Assignment -2

Assignment Date	19 September 2022
Student Name	A.Asisa
Student Register Number	961819104019
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'),

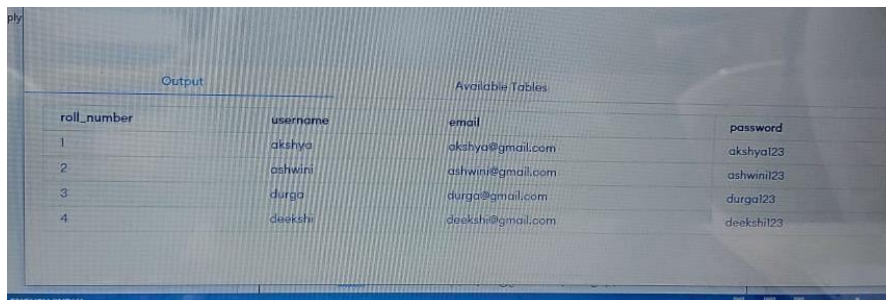
(4, 'deekshitha', 'deekshi@gmail.com','deekshi123');

## 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.



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**

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

**Available Tables**

## 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**

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

delete from user where roll\_number='5'

**Output**

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

**Available Tables**

### 3. 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=BsnsG1l2sBgIRhVN",',,')
```

```
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
```

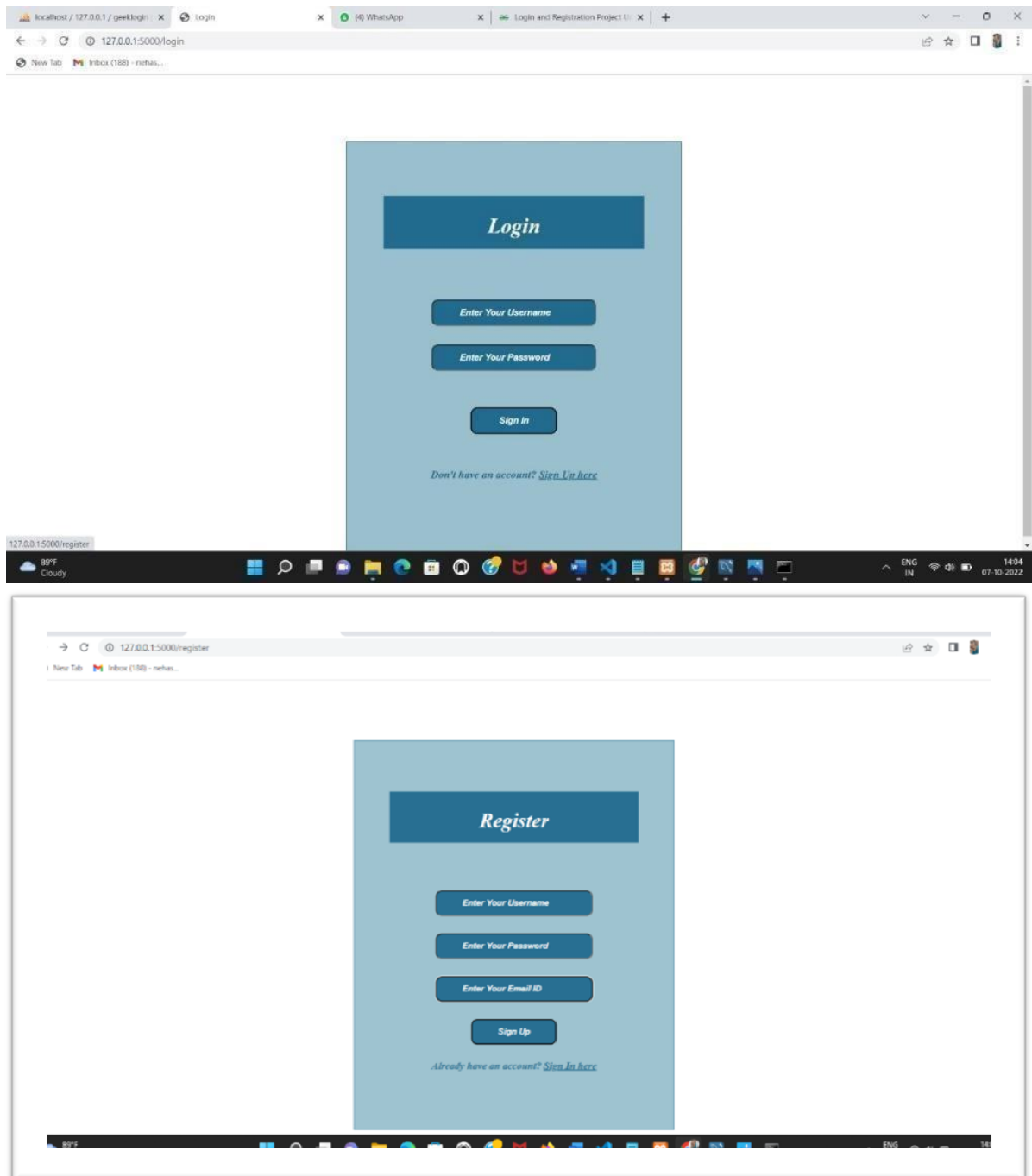
```
        have successfully registered !'
```

```
    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*