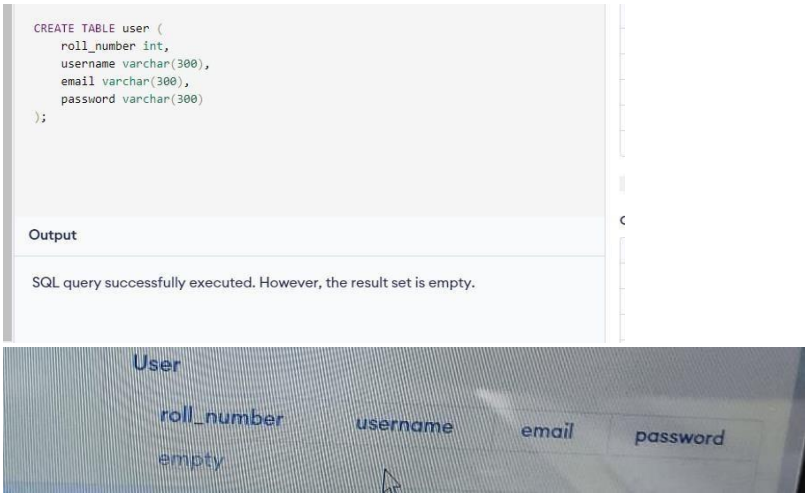
Assignment -2

Assignment Date	19 September 2022
Student Name	P. Ance Defrin
Student Register Number	961819104012
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.

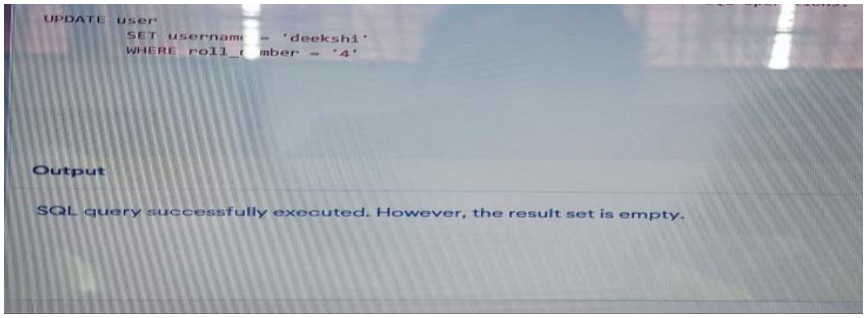
UPDATE Statement:

UPDATE user

SET username = 'deekshi'

WHERE roll_number = '4'

OUTPUT:



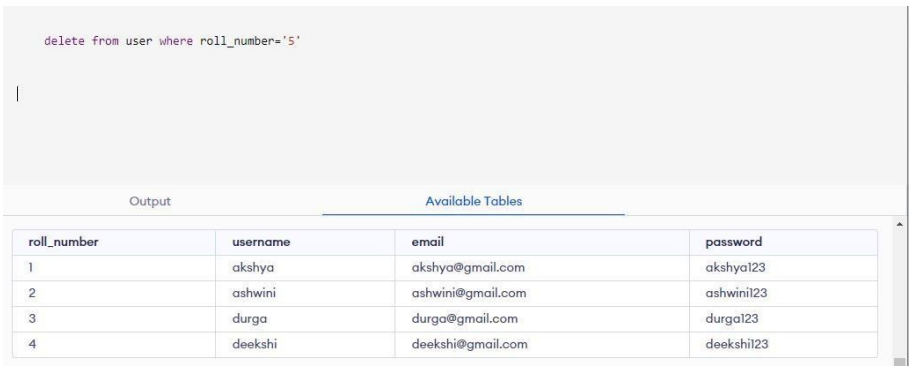
customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

DELETE Statemnet:

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

delete from users 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

3. Connect python with db2

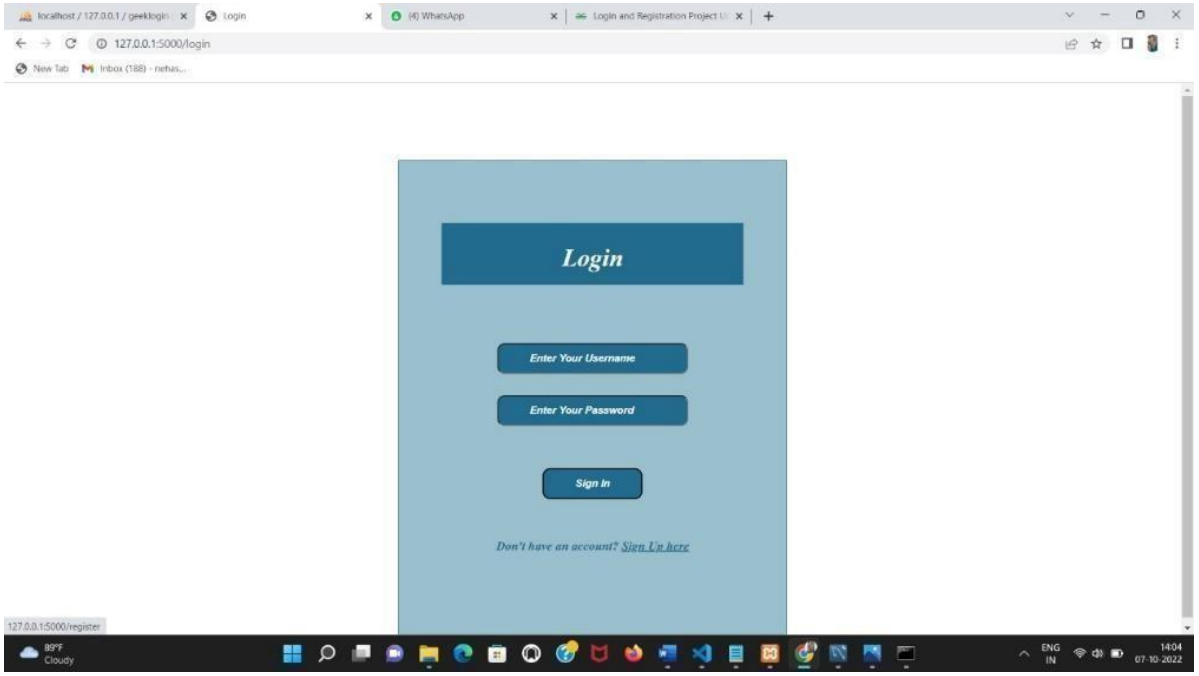
```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=824dfd4d-99de-440d-9991-
629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30119;SECUR
ITY=SSL
    ;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD=BsnsG1l2sBgI
RhVN",' ',")
```

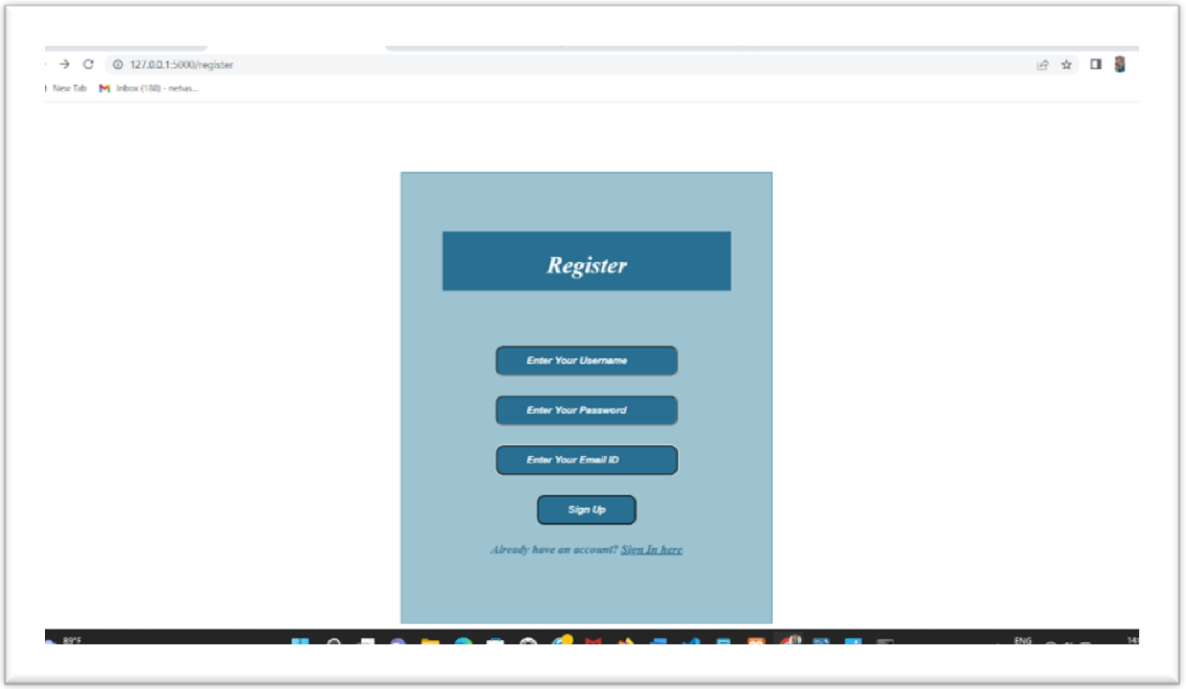
```
    from flask import Flask, render_template, request, redirect, url_for, session from
    flask_mysqldb import MySQL import MySQLdb.cursors import reapp
    =   Flask(_____name_)   app.secret_key   =   'your   secret key'
    app.config['MYSQL_HOST'] = 'localhost' app.config['MYSQL_USER'] = 'root'
        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 !'
```

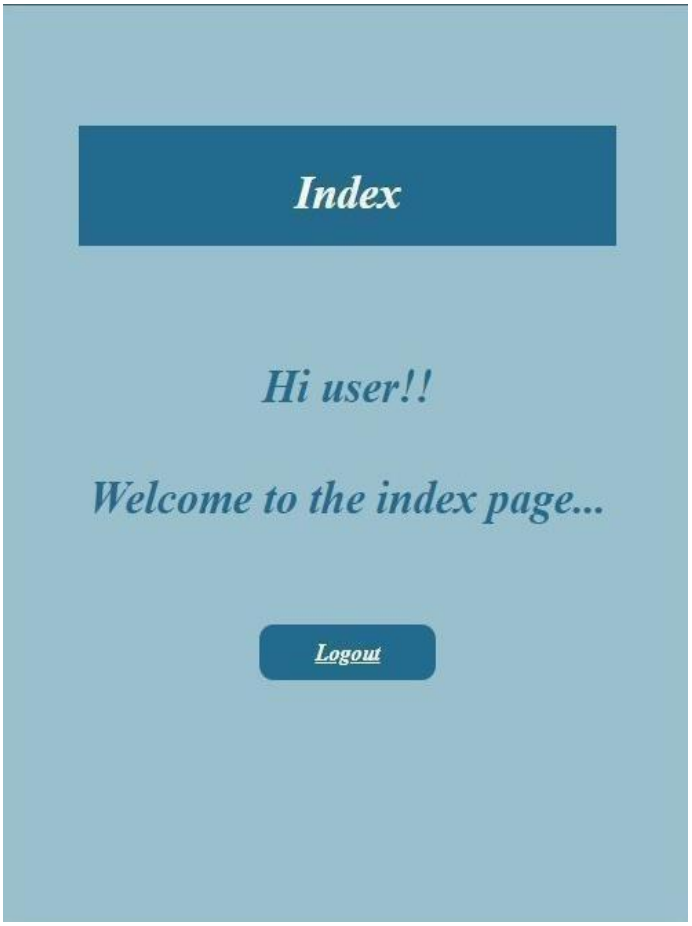
```
    return render_template('login.html', msg = msg)


@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)

OUTPUT:



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