Assignment -2

Assignment Date	19 September 2022
Student Name	S.Shajal
Student Register Number	961819104079
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:

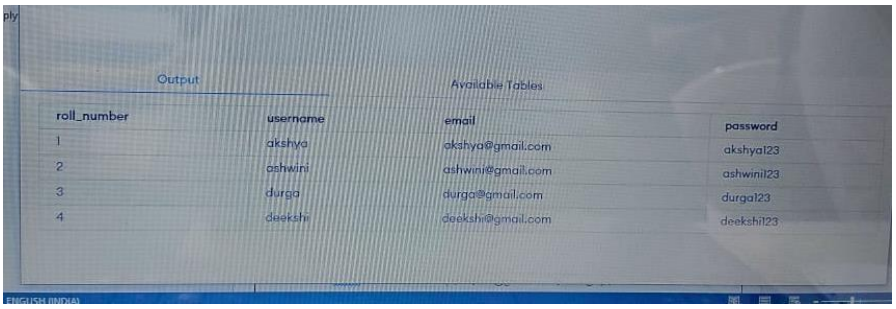
```
INSERT INTO user
(roll_number, username, email, password) VALUES
(1, 'akshya', 'akshya@gmail.com','akshya123'),
(2, 'ashwini', 'ashwini@gmail.com','ashwini123'),
(3, 'durga', 'durga@gmail.com','durga123'),
(4, 'deekshitha', 'deekshi@gmail.com','deekshi123');
```

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

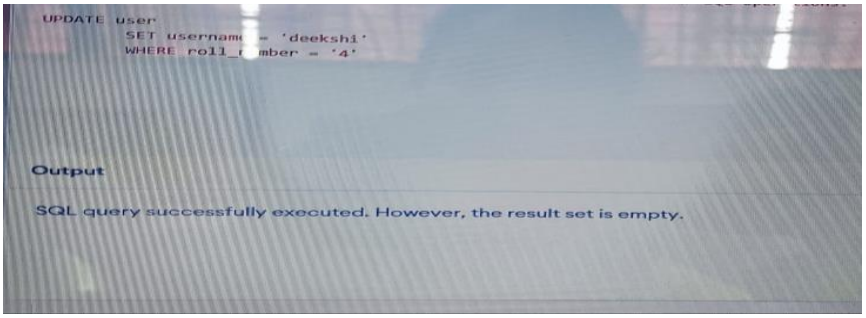
UPDATE Statement:

UPDATE user

SET username = 'deekshi'

WHERE roll_number = '4'

OUTPUT:



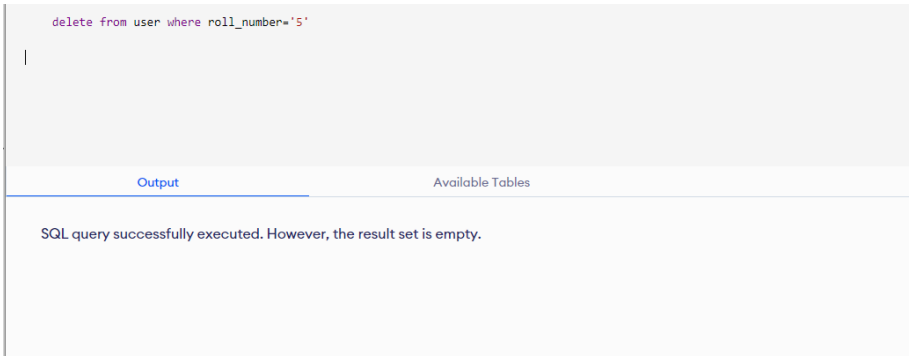
customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

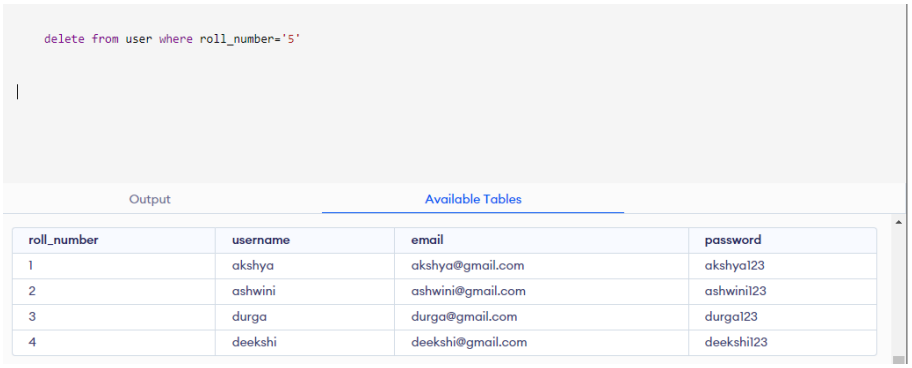
DELETE Statemnet:

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

delete from users where roll_number='5'

OUTPUT:





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_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'])

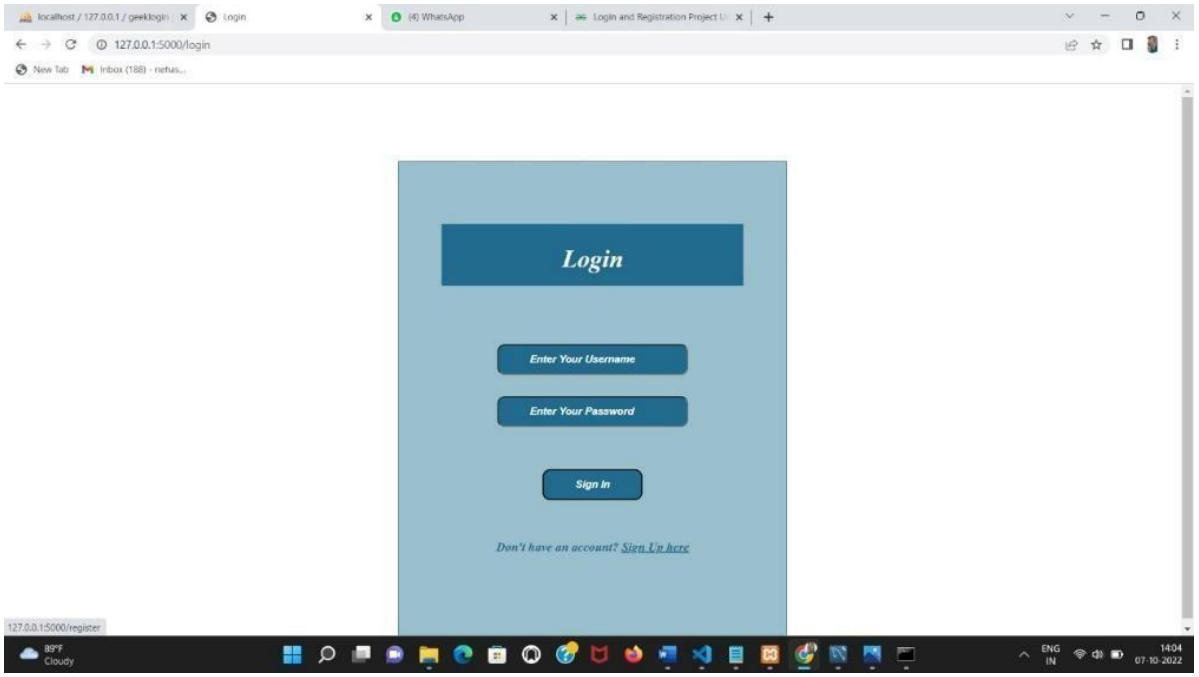
```
    def login():
    msg = "if request.method == 'POST' and 'username' in request.form and 'password' in request.form:
            username = request.form['username']
            password = request.form['password']
            cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor)
            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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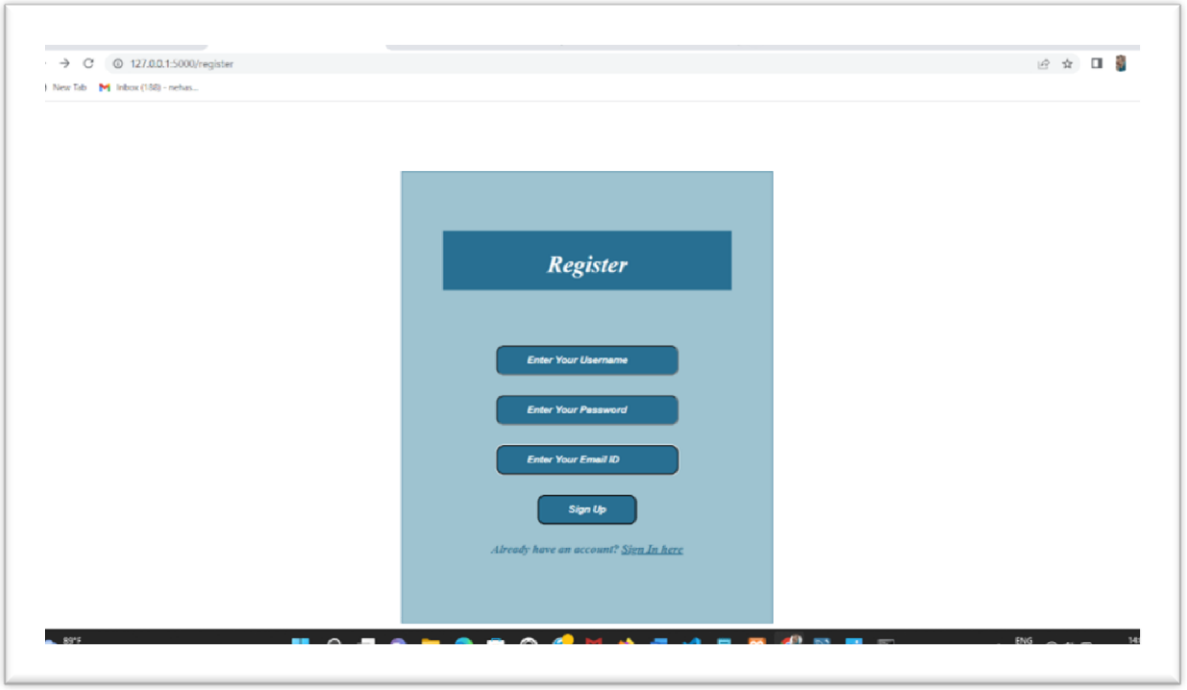
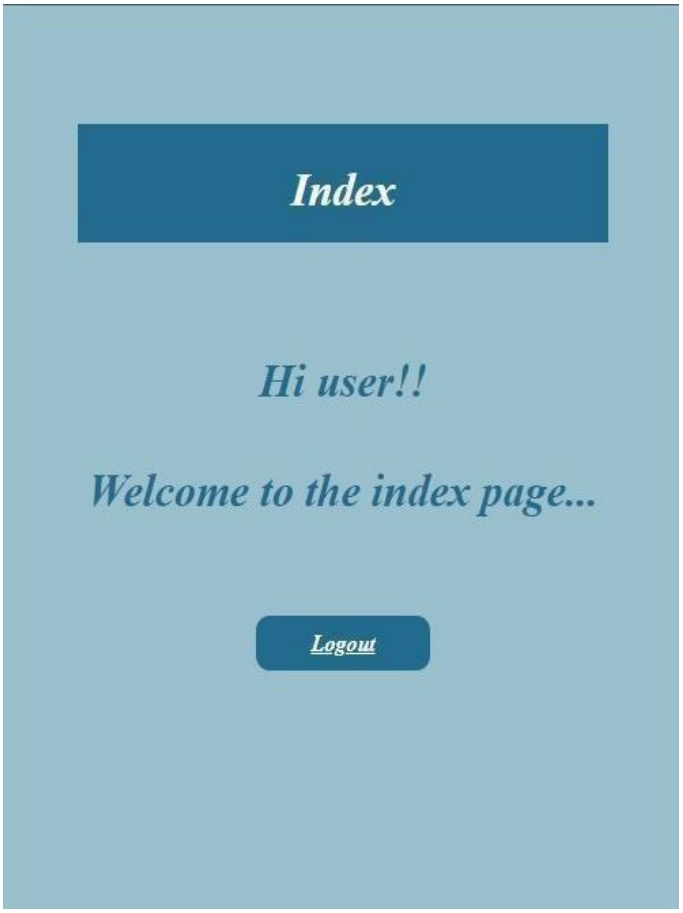
Enter Your Username
Enter Your Password
Sign In
Don't have an account? Sign Up here


Register
Enter Your Username
Enter Your Password
Enter Your Email ID
Sign Up
Already have an account? Sign In here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