

## Assignment -2

Assignment Date	19 September 2022
Student Name	ANTON AJAY RAJ I
Student Roll Number	AC19UIT004
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, 'Raja lingam', 'rajalingam@gmail.com','raju987'),

(2, 'Ajay', 'ajay@gmail.com','ajay654'),

(3, 'Anton', 'anton@gmail.com','anton321'),

(4, 'Prasanth', 'prasanth@gmail.com','prasanth123');

```
INSERT INTO user
( roll_number, username ,email, password) VALUES
(1, 'Raja lingam', 'rajalingam@gmail.com','raju987'),
(2, 'Ajay', 'ajay@gmail.com','ajay654'),
(3, 'Anton', 'anton@gmail.com','anton321'),
(4, 'Prasanth', 'prasanth@gmail.com','prasanth123');
```

Output

Available Tables

5	Delivered	1
---	-----------	---

User

roll_number	username	email	password
1	Raja lingam	rajalingam@gmail.com	raju987
2	Ajay	ajay@gmail.com	ajay654
3	Anton	anton@gmail.com	anton321
4	Prasanth	prasanth@gmail.com	prasanth123

## UPDATE Statement:

UPDATE users

SET username = 'Anton'

WHERE roll\_number = '4'

The screenshot shows an Online SQL Editor interface. On the left, a sidebar lists available tables: Customers, Orders, Shippings, and User. The main input area contains the following SQL query:

```
UPDATE users
SET username = 'Anton'
WHERE roll_number = '4'
```

The output area displays the message: "SQL query successfully executed. However, the result set is empty." On the right, the "Available Tables" section shows the data for the Shippings, User, and Users tables.

shipping_id	status	customer
1	Pending	2
2	Pending	4
3	Delivered	3
4	Pending	5
5	Delivered	1

roll_number	username	email	password
1	Raja	raja@gmail.com	raja987
2	Ajay	ajay@gmail.com	ajay654
3	Anton	anton@gmail.com	anton321
4	Prasanth	prasanth@gmail.com	prasanth123

roll_number	username	email	password
empty			

## Insert & DELETE Statement:

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

The screenshot shows an Online SQL Editor interface. The main input area contains the following SQL query:

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

The output area displays the message: "SQL query successfully executed. However, the result set is empty." On the right, the "Available Tables" section shows the data for the Shippings, User, and Users tables.

shipping_id	status	customer
2	Pending	4
3	Delivered	3
4	Pending	5
5	Delivered	1

roll_number	username	email	password
2	Ajay	ajay@gmail.com	ajay654
3	Anton	anton@gmail.com	anton321
4	Prasanth	prasanth@gmail.com	prasanth123

roll_number	username	email	password
5	aa	aaa@gmail.com	aasdfg2

delete from users where roll\_number='5'

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",'','')
```

1. create a flask app with registration page, login page and welcome page. by default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password. if the user is valid show the welcome page

```
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.fetc

        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)

```

Register

Enter Your Username

Enter Your Password

Enter Your Email ID

Sign Up

Already have an account? [Sign In here](#)

Login

Enter Your Username

Enter Your Password

Sign In

Don't have an account? [Sign Up here](#)