

## Assignment -2

Assignment Date	19 September 2022
Student Name	Karthi D S
Student Roll Number	AC19UIT021
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 = '2'

```
UPDATE user
SET username = 'Anton'
WHERE roll_number = '2'
```

Output Available Tables

User

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

### Insert Statement:

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

User

roll_number	username	email	password
1	Raja lingam	rajalingam@gmail.com	raju987
2	Anton	ajay@gmail.com	ajay654
3	Anton	anton@gmail.com	anton321
4	Prasanth	prasanth@gmail.com	prasanth123
5	aa	aaa@gmail.com	aasdfg2

## DELETE Statement:

delete from users where roll\_number='5'

User

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

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",' '')
```

```
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':

```

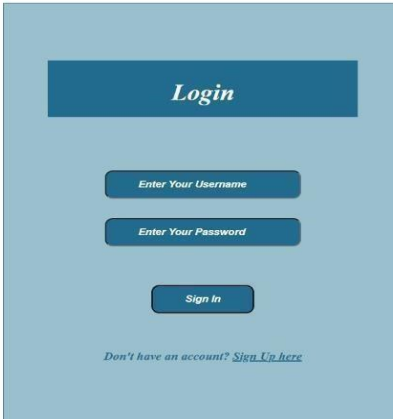


A registration form template with a light blue background. At the top is a dark blue header with the word "Register" in white. Below the header are four input fields, each with a dark blue button-like border and white text: "Enter Your Username", "Enter Your Password", "Enter Your Email ID", and "Sign Up". At the bottom, there is a link that says "Already have an account? [Sign In here](#)".

msg =

'Please fill out the form !'

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



A login form template with a light blue background. At the top is a dark blue header with the word "Login" in white. Below the header are two input fields, each with a dark blue button-like border and white text: "Enter Your Username" and "Enter Your Password". Below these is a "Sign In" button with a dark blue border and white text. At the bottom, there is a link that says "Don't have an account? [Sign Up here](#)".



An index page template with a light blue background. At the top is a dark blue header with the word "Index" in white. Below the header, the text "Hi user!!" is displayed, followed by "Welcome to the index page...". At the bottom, there is a "Logout" button with a dark blue border and white text.