

## ASSINGMENT -2

Assingment date	19 SEPTEMBER 2022
Student name	NARMATHA V
Student roll no	AC19UCS076

- 1.Create user table with user with email,username,password,roll no
2. perform update ,delete queries with user table
- 3.connect python code to database2
- 4.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 amnd password.if the user is valid show the welcome page

- 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)  
);
```

User
roll_number
username
email
password
empty

Show all X

## 2. Perform UPDATE, DELETE Queries with user table

### INSERT Statement:

INSERT INTO user

(roll\_number, username ,email, password) VALUES

(1, 'nageswaran', ' nageswaran @gmail.com','nagesh15'),

(2, ' menaga', ' menaga @gmail.com','mena123'),

(3, 'narmatha', 'narmatha@gmail.com', narmatha123'),

(4, 'praveen', 'praveen@gmail.com', 'praveen123');

User

roll_number	username	email
1	nageswaran	nageswaran@gmail.com
2	menaga	menaga@gmail.com
3	narmatha	narmatha@gmail.com
4	praveen	praveen@gmail.com

### UPDATE Statement:

UPDATE users

SET username = 'menaga'

WHERE roll\_number = '4'

User

roll_number	username	email
1	nageswaran	nageswaran@gmail.com
2	menaga	menaga@gmail.com
3	narmatha	narmatha@gmail.com
4	menaga	praveen@gmail.com

## DELETE Statemnet:

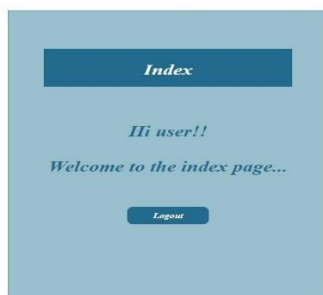
insert into users values(5,'aa','aaa@gmail.com','aasdfg2') ;

delete from users where roll\_number='5'

User		
roll_number	username	email
1	nageswaran	nageswaran@gmail.com
2	menaga	menaga@gmail.com
3	narmatha	narmatha@gmail.com

## 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",' ','')
```



4.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_mysqlldb 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)

```



