Assignment-2

Assignment Date	19 September 2022
Team ID	PNT2022TMID11590
Project Title	Containment Zone Alerting Application
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

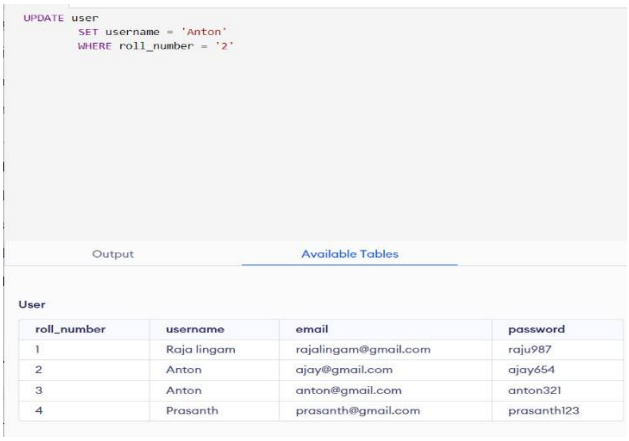
5	Delivered	1

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'
```



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

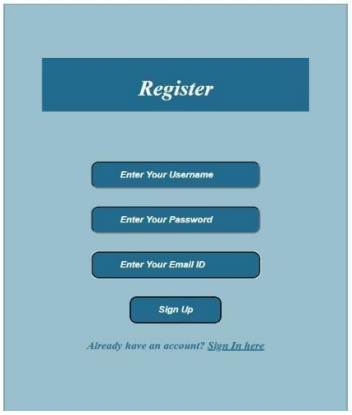
```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=824dfd4d-99de-440d-9991-
629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30119;SECURITY=SSL
;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD=BsnsG1l2sBgIRhVN",'  ',")
```

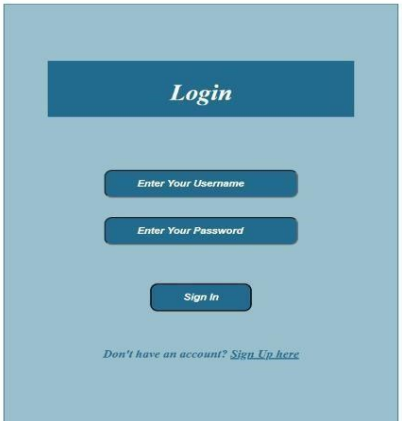
```
from flask import
Flask, render_template, request, redirect, url_for, session from
flask_mysqldb import MySQL
import MySQLdb.cursors
import reapp = Flask(_name_)
app.secret_key = 'your secret key'
app.config['MYSQL_HOST'] = 'localhost'
app.config['MYSQL_USER'] = 'root'
app.config['MYSQL_PASSWORD']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


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