Assignment -2

Assignment Date	19 September 2022
Student Name	RAJA LINGAM S
Student Roll Number	AC19UIT035
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

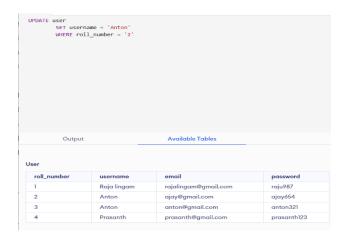
roll_number	username	email	password
1	Raja lingam	rajalingam@gmail.com	raju987
2	Ajay	ajay@gmail.com	ajay654
3	Anton	anton@gmail.com	anton321
4	Prasanth	prasanth@gmail.com	prasanth123

UPDATE Statement:

UPDATE users

SET username = 'Anton'

WHERE roll_number = '2'



Insert Statement:

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

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'

oll_number	username	email	password
	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

@app.route('/')

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=824dfd4d-99de-440d-9991-629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30119;SE CURITY=SSL ;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD=BsnsG112s
```

BgIRhVN",' ',")

```
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('/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)
```





