ASSIGNMENT II

```
CREATE TABLE user (
roll_number int,
username varchar(300),
email varchar(300),
password varchar(300)
);
```

```
CREATE TABLE user (
roll_number int,
username varchar(300),
email varchar(300),
password varchar(300));

Output

SQL query successfully executed. However, the result set is empty.
```

Perform UPDATE, DELETE Queries with user table

```
INSERT INTO user(roll_number, username,email, password) VALUES(1, 'Jai', 'jai@gmail.com','jai123'),(2, 'Ani', 'ani@gmail.com','ani10'),(3, 'tamil','tamil@gmail.com','tam41'),(4, 'Preethika','preethhi@gmail.com','preethi123');
```

UPDATE Statement:

UPDATE user

SET username = 'jai'

WHERE roll_number = '2'

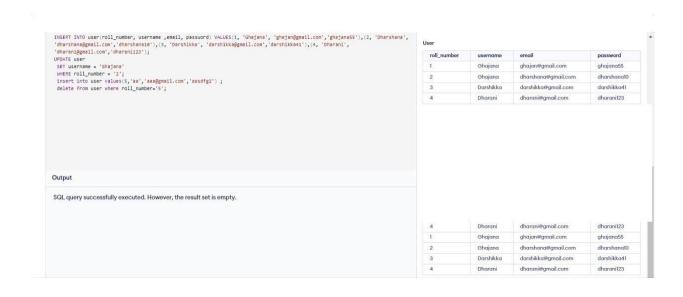
Insert Statement:

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



DELETE Statement:

Delete from user 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;SE
CURITY=SSL
;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD=BsnsG1l2s
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('/') @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!'
```

