Assignment -2

Assignment Date	17 November 2022
Student Name	Harshavardhan.S
Student Roll Number	AC19UCS035
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;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:
```

```python
        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 = ''
```

```python
if request.method == 'POST' and 'username' in request.form and 'password' in request.form and 'email' in request.form :
```

```python
if request.method == 'POST' and 'username' in request.form and 'password' in request.form and 'email' in request.form :
```

```python
        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

Login

Enter Your Username

Enter Your Password

Sign In

Don't have an account? Sign Up here

Index

Hi user!!

Welcome to the index page...

Logout