ASSIGNMENT-2

DATE	23 SEPTEMBER 2022
STUDENT NAME	JEEVITHA A
STUDENT ROLL NUMBER	110319104020
MAXIMUM MARKS	2 MARKS

QUESTION-1:

1.Create User table with user with email, usename, 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.

2. Perform UPDATE, DELETE queries with user table.

INSERT statement:
INSERT INTO user
(roll_number, username ,email, password) VALUES
(1, 'Bhavya shree', 'bhavyashree@gmail.com','Bhavya@19'),
(2, 'Deepika', 'deepika@gmail.com','deepika10'),
(3, 'Jeevitha', 'jeevitha@gmail.com','jeevitha20'),
(4, 'Uma', 'uma@gmail.com','uma49');

```
1  INSERT INTO user
2  ( roll_number, username ,email, password) VALUES
3  (1, 'Bhavya shree', 'bhavyashree@gmail.com','Bhavya@19'),
4  (2, 'Deepika', 'deepika@gmail.com','deepika10'),
5  (3, 'Jeevitha', 'jeevitha@gmail.com','jeevitha20'),
6  (4, 'Uma', 'uma@gmail.com','uma49');
```

User

roll_number	username	email	password
1	Bhavya shree	bhavyashree@gmail.com	Bhavya@19
2	Deepika	deepika@gmail.com	deepika10
3	Jeevitha	jeevitha@gmail.com	jeevitha20
4	Uma	uma@gmail.com	uma49

UPDATE statement:

UPDATE users
SET username = 'Jeevitha'WHERE roll_number

```
1  UPDATE users
2  SET username = 'Jeevitha'
3  WHERE roll_number = '2'
```

User

roll_number	username	email	password
1	Bhavya shree	bhavyashree@gmail.com	Bhavya@19
2	Jeevitha	deepika@gmail.com	deepika10
3	Jeevitha	jeevitha@gmail.com	jeevitha20
4	Uma	uma@gmail.com	uma49

INSERT statement:

insert into users values(5,'LLL','lll@gmail.com','lll@23') ;

```
1  insert into users values(5,'LLL','lll@gmail.com','lll@23') ;
2
```

User

roll_number	username	email	password
1	Bhavya shree	bhavyashree@gmail.com	bhavya@19
2	Jeevitha	deepika@gmail.com	deepika10
3	Jeevitha	jeevitha@gmail.com	jeevitha20
4	Uma	uma@gmail.com	uma49
5	LLL	lll@gmail.com	lll@23

DELETE statement:

delete from users where roll_number='5'

User

roll_number	username	email	password
1	Bhavya shree	bhavyashree@gmail.com	Bhavya@19
2	Jeevitha	deepika@gmail.com	deepika10
3	Jeevitha	jeevitha@gmail.com	jeevitha20
4	Uma	uma@gmail.com	uma49

3. Connect db with Python

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.

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()

```python
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'] 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:
```

```python
        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:
```

```python
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