Assignment -2

Assignment Date	19 September 2022
Student Name	A.S.Dhsrshana
Student Register Number	961819104029
Maximum Marks	2 Marks

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)
);
```

OUTPUT:

2. Perform UPDATE, DELETE Queries with user table

INSERT Statement: INSERT

INTO user

(roll_number, username, email, password) VALUES

(1, 'akshya', 'akshya@gmail.com','akshya123'),

(2, 'ashwini', 'ashwini@gmail.com','ashwini123'),

(3, 'durga', 'durga@gmail.com','durga123'),

(4, 'deekshitha', 'deekshi@gmail.com','deekshi123');

OUTPUT:

```
INSERT INTO user
    ( roll_number, username ,email, password)  VALUES
     (1, 'akshya', 'akshya@gmail.com','akshya123'),
     (2, 'ashwini', 'ashwini@gmail.com','ashwini123'),
     (3, 'durga', 'durga@gmail.com','durga123'),
     (4, 'deekshitha', 'deekshi@gmail.com','deekshi123');
```

Output

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

Output

Available Tables

roll_number	username	email	password
1	akshya	akshya@gmail.com	akshya123
2	ashwini	ashwini@gmail.com	ashwini123
3	durga	durga@gmail.com	durga123
4	deekshi	deekshi@gmail.com	deekshi123

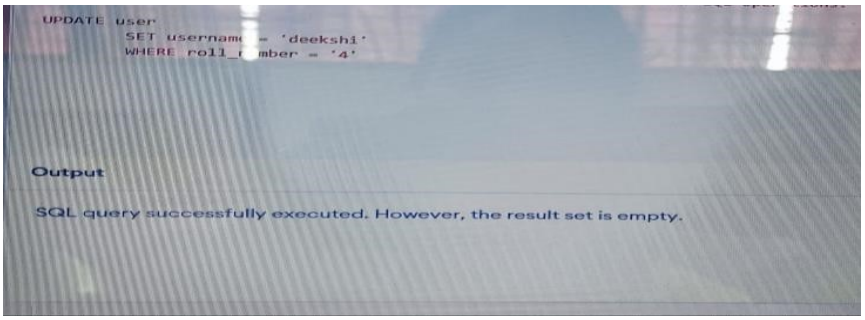
UPDATE Statement:

UPDATE user

SET username = 'deekshi'

WHERE roll_number = '4'

OUTPUT:



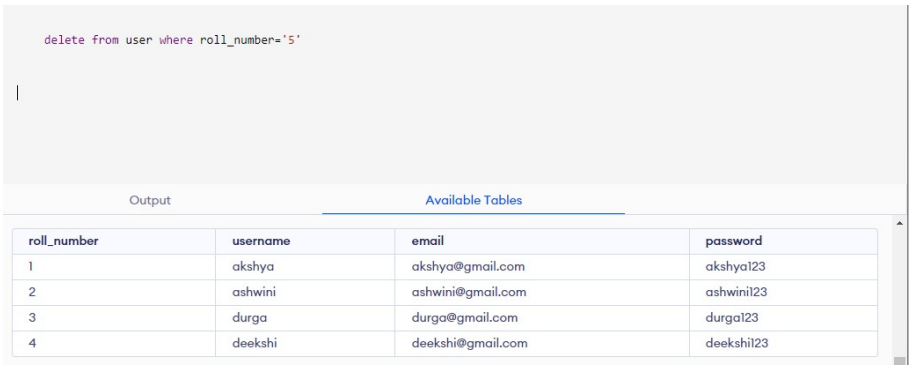
customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

DELETE Statemnet:

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

delete from users where roll_number='5'

OUTPUT:



roll_number	username	email	password
1	akshya	akshya@gmail.com	akshya123
2	ashwini	ashwini@gmail.com	ashwini123
3	durga	durga@gmail.com	durga123
4	deekshi	deekshi@gmail.com	deekshi123

3. Connect python with db2

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=824dfd4d-99de-440d-9991-
629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30119;SECUR
ITY=SSL
;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD=BsnsG1l2s
BgI
RhVN",' ',")
```

```
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'] =
```

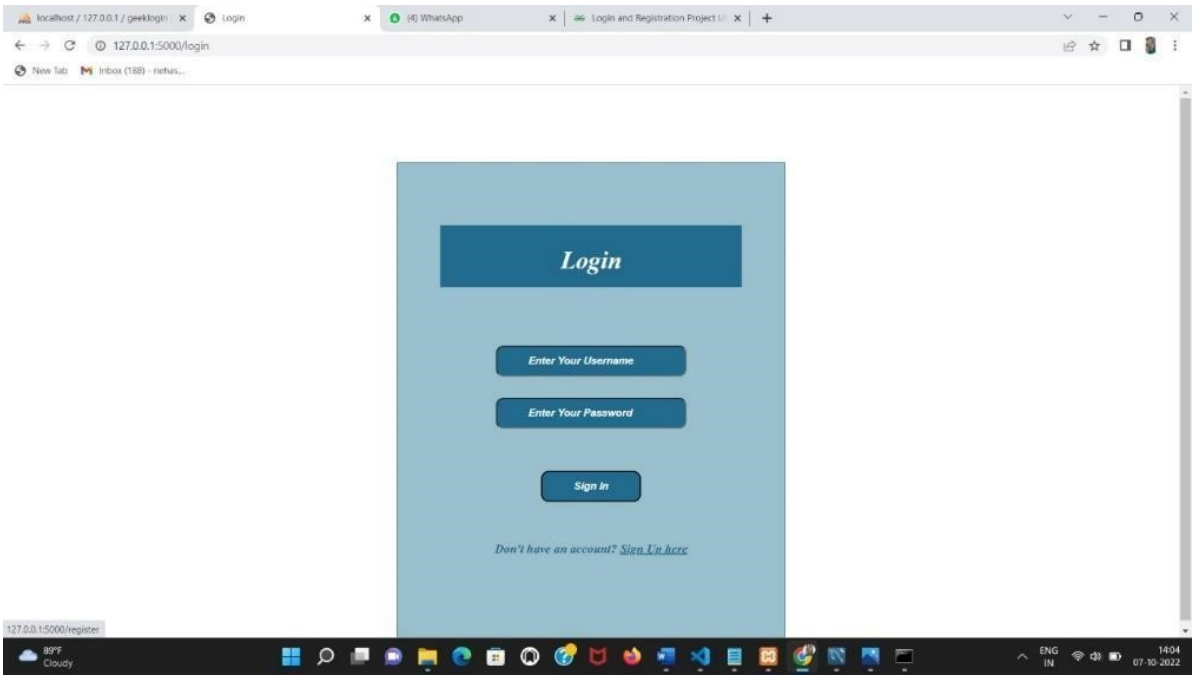
```
                account['id'] session['username'] =
                account['username'] msg = 'Logged in
                successfully !' return
                render_template('index.html', msg = msg)
        else:
                msg = 'Incorrect username / password !'
    return render_template('login.html', 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)
```

OUTPUT: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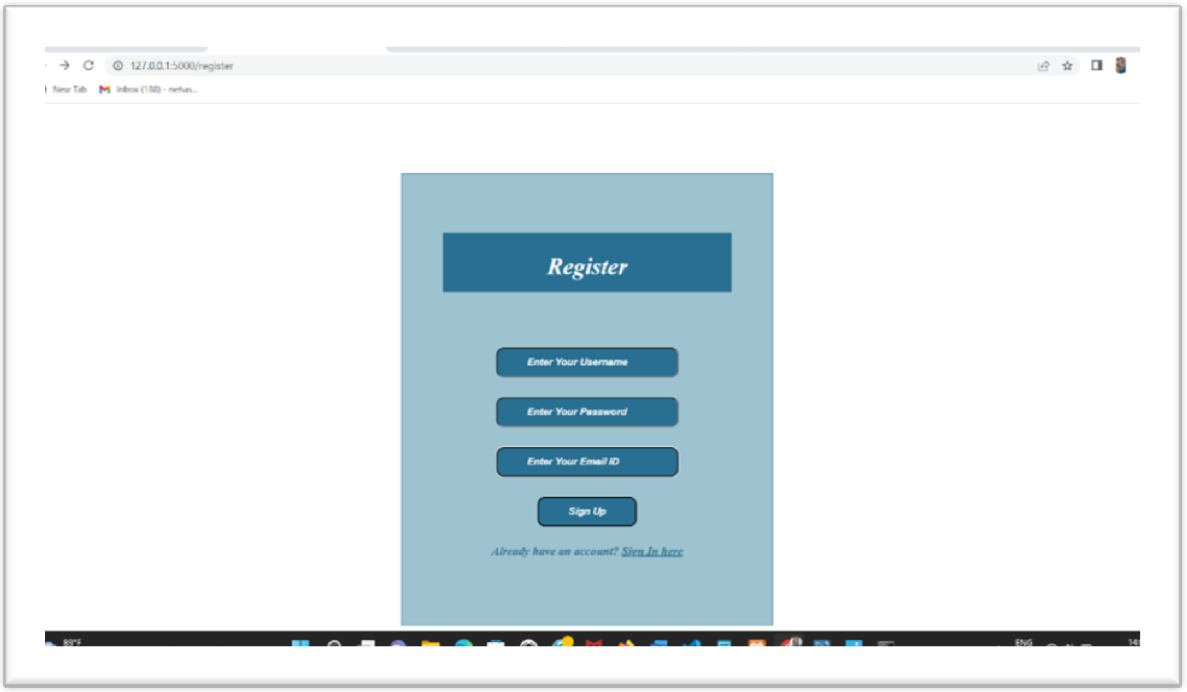
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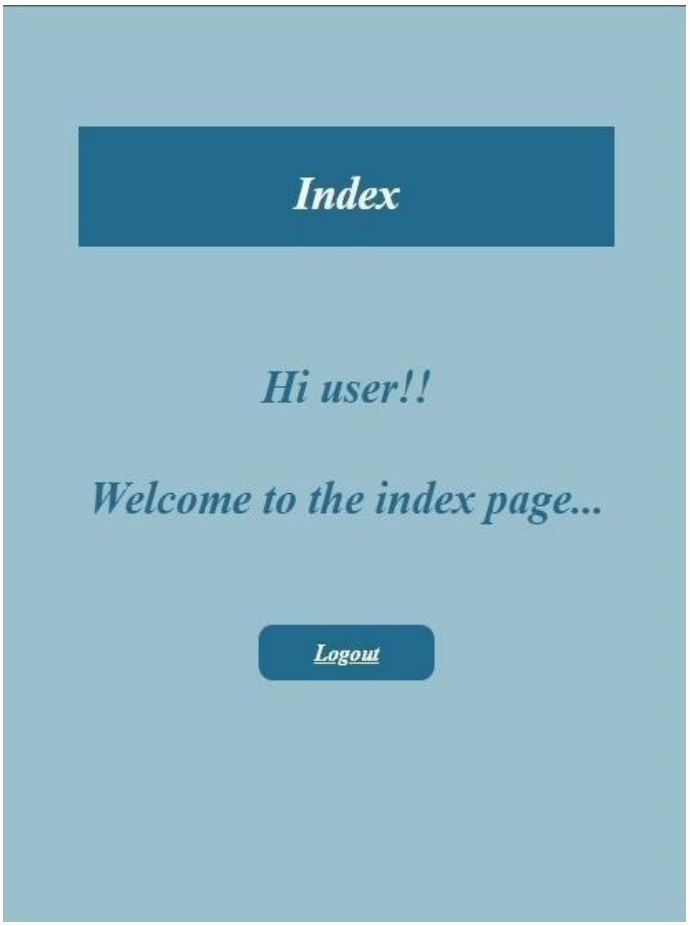
Enter Your Password
Enter Your Email ID
Sign Up
Already have an account? Sign In here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