Assignment -2

Assignment Date	15 November 2022
Student Name	Atheeba Feroz M
Student Roll Number	310119205004
Maximum Marks	2 Marks

Question-1:

Create user table with user with email, username, roll number, password

```
CREATE TABLE user4 (
    roll_number int,
username varchar(300),
email varchar(300),
    password varchar(300)
);
```

Input

```
CREATE TABLE user4 (
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 user4(roll_number, username ,email, password) VALUES(1, 'Atheeba feroz', 'yasismi10@gmail.com','Atheeba'),
(2, 'Urmilaa', 'urmilaaprakash@gmail.com','urmilaa'),
(3, 'Shahis Fathima', 'shasha33@gmail.com','Shahis'),
(4, 'Maha Lakshmi', 'maha@gmail.com','lakshmi');

```
Input                                    [] ☾ ⋮   Run SQL    >   Available Tables

INSERT INTO user4( roll_number, username ,email, password) VALUES (1, 'Atheeba feroz',
'yasismi10@gmail.com','Atheeba'),
(2, 'Urmilaa', 'urmilaaprakash@gmail.com','urmilaa'),
(3, 'Shahis Fathima', 'shasha33@gmail.com','Shahis'),
(4, 'Maha Lakshmi',  'maha@gmail.com','lakshmi');
```

1	Pending	2
2	Pending	4
3	Delivered	3
4	Pending	5
5	Delivered	1

User3

roll_number	username	email	password
empty			

User4

roll_number	username	email	passwor
1	Atheeba feroz	yasismi10@gmail.com	Atheeba
2	Urmilaa	urmilaaprakash@gmail.com	urmilaa
3	Shahis Fathima	shasha33@gmail.com	Shahis
4	Maha Lakshmi	maha@gmail.com	lakshmi

Output

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

UPDATE Statement:

UPDATE user4 SET username = 'Atheeba Feroz' WHERE roll_number = '2';

| Input | | | | | | | Run SQL | > | Available Tables |

2	Pending	4
3	Delivered	3
4	Pending	5
5	Delivered	1

User3

roll_number	username	email	password
empty			

User4

roll_number	username	email	passwor
1	Atheeba feroz	yasismi10@gmail.com	Atheebc
2	Atheeba Feroz	urmilaaprakash@gmail.com	urmilaa
3	Shahis Fathima	shasha33@gmail.com	Shahis
4	Maha Lakshmi	maha@gmail.com	lakshmi

Show deskto

Output

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

Insert Statement:

INSERT INTO user4 values(5,'aa','aaa@gmail.com','aasdfg2') ;

Input

```
INSERT INTO user4 values(5,'aa','aaa@gmail.com','aasdfg2') ;
```

Run SQL

Available Tables

3	Delivered	3
4	Pending	5
5	Delivered	1

Output

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

User3

roll_number	username	email	password
5	aa	aaa@gmail.com	aasdfg2

User4

roll_number	username	email	passwor
1	Atheeba feroz	yasismi10@gmail.com	Atheebc
2	Atheeba Feroz	urmilaaprakash@gmail.com	urmilaa
3	Shahis Fathima	shasha33@gmail.com	Shahis
4	Maha Lakshmi	maha@gmail.com	lakshmi
5	aa	aaa@gmail.com	aasdfg2

DELETE Statement:

DELETE FROM user4 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('/')
```

```python
@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'))
```

```python
@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)
```

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

**3) Write a flask program which should display resume details and also have upload resume option
by using file uploading.**

UPLOAD.PY:
```
from flask import *
app = Flask(__name__)

@app.route('/')
def upload():
    return render_template("file_upload_form.html")

@app.route('/success', methods = ['POST'])
def success():
    if request.method == 'POST':
        f = request.files['file']
        f.save(f.filename)
        return render_template("success.html", name = f.filename)

if __name__ == '_main_':
    app.run(debug = True)
```

FILE_UPLOAD_FORM.HTML:
```
<html>
<head>
    <title>upload</title>
</head>
<body>
    <form action = "/success" method = "post" enctype="multipart/form-data">
        <input type="file" name="file" />
        <input type = "submit" value="Upload">
    </form>
</body>
</html>
```
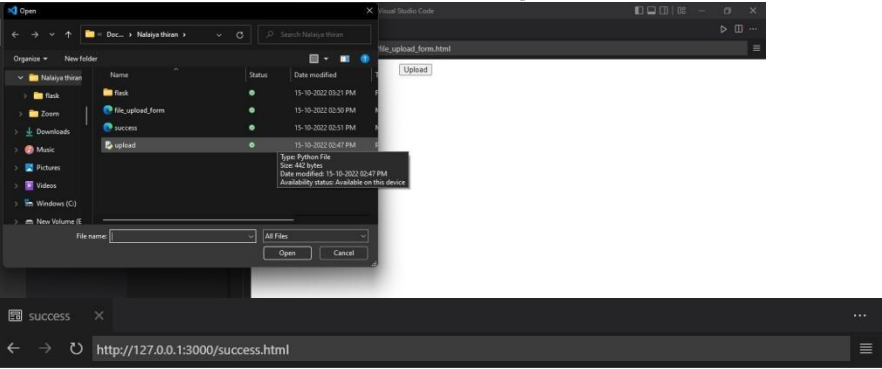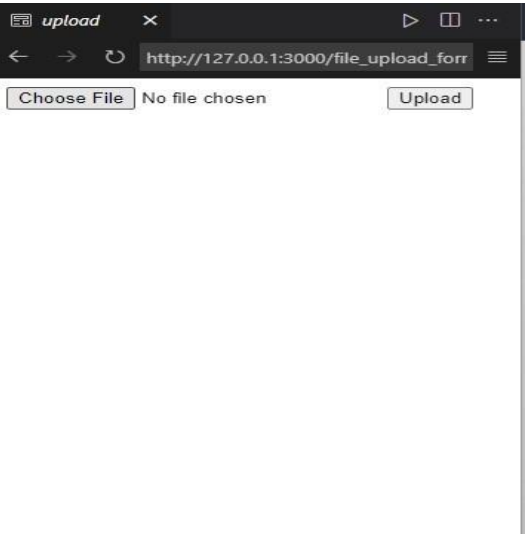
SUCCESS.HTML:
```
<html>
<head>
<title>success</title>
</head>
<body>
<p>File uploaded successfully</p>
<p>File Name: {{name}}</p>
</body>
</html>
```

OUTPUT:

File uploaded successfully

File Name: {{file_upload_form}}