Assignment Date	12 September 2022
Student Name	Sakthivel G
Student Roll Number	422619106015
Maximum Marks	2 Marks

Question-1:

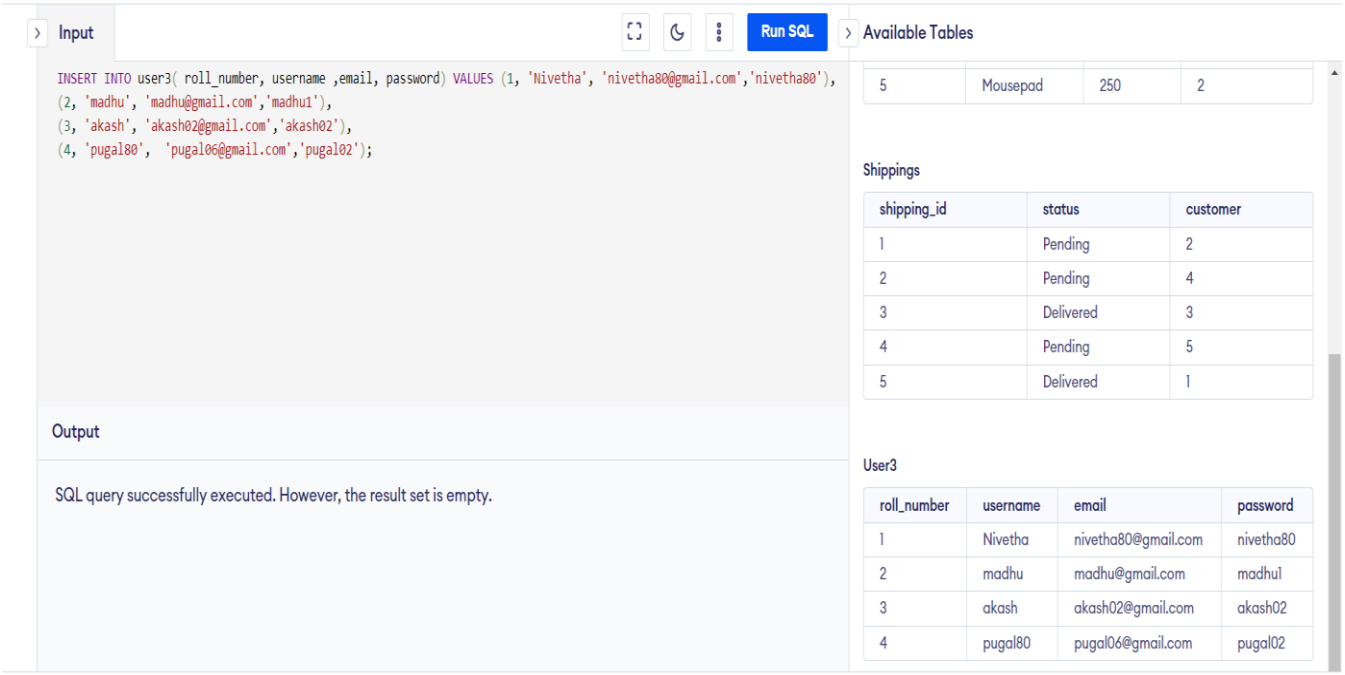
Create user table with user with email, username, roll number, password

```
CREATE TABLE user3 (
   roll_number int,
username varchar(300),
email varchar(300),
   password varchar(300)
);
```

1. Perform UPDATE, DELETE Queries with user table

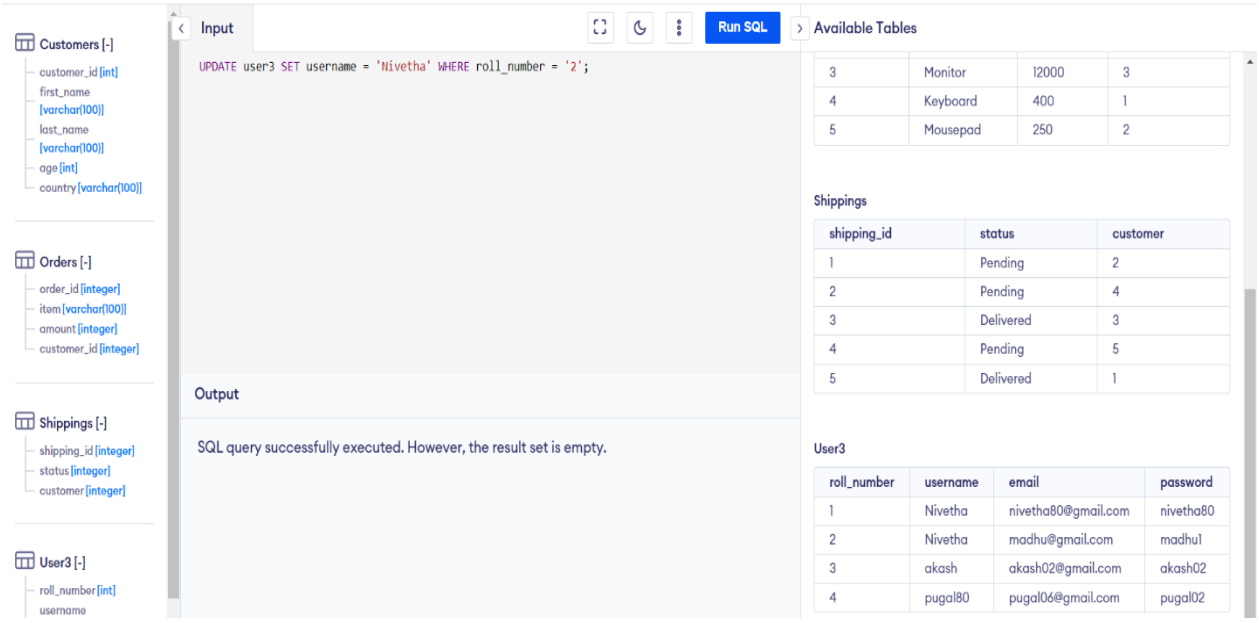
INSERT Statement:

```
INSERT INTO users3( roll_number, username ,email, password) VALUES
(1, 'Nivetha', 'nivetha80@gmail.com','nivetha80'),
(2, 'madhu', 'madhu@gmail.com','madhu1'),
(3, 'akash', 'akash02@gmail.com','akash02'),
(4, 'pugal80',  'pugal06@gmail.com','pugal02'),
);
```



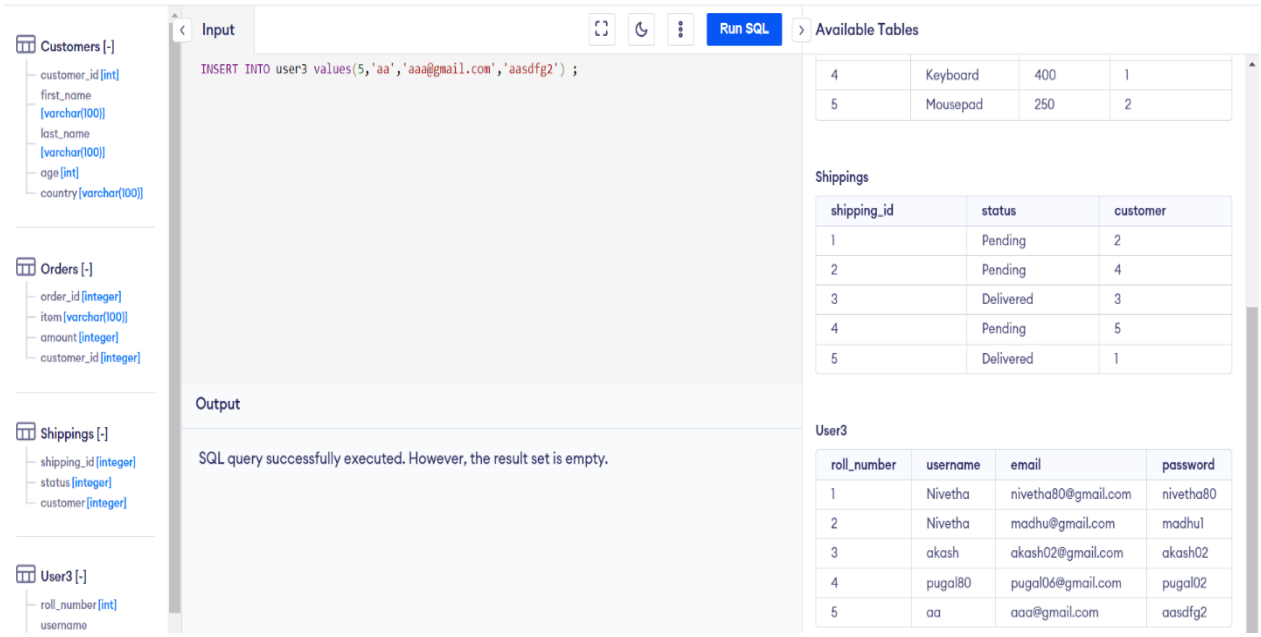
UPDATE Statement:

UPDATE user3 SET username = 'Nivetha' WHERE roll_number = '2';



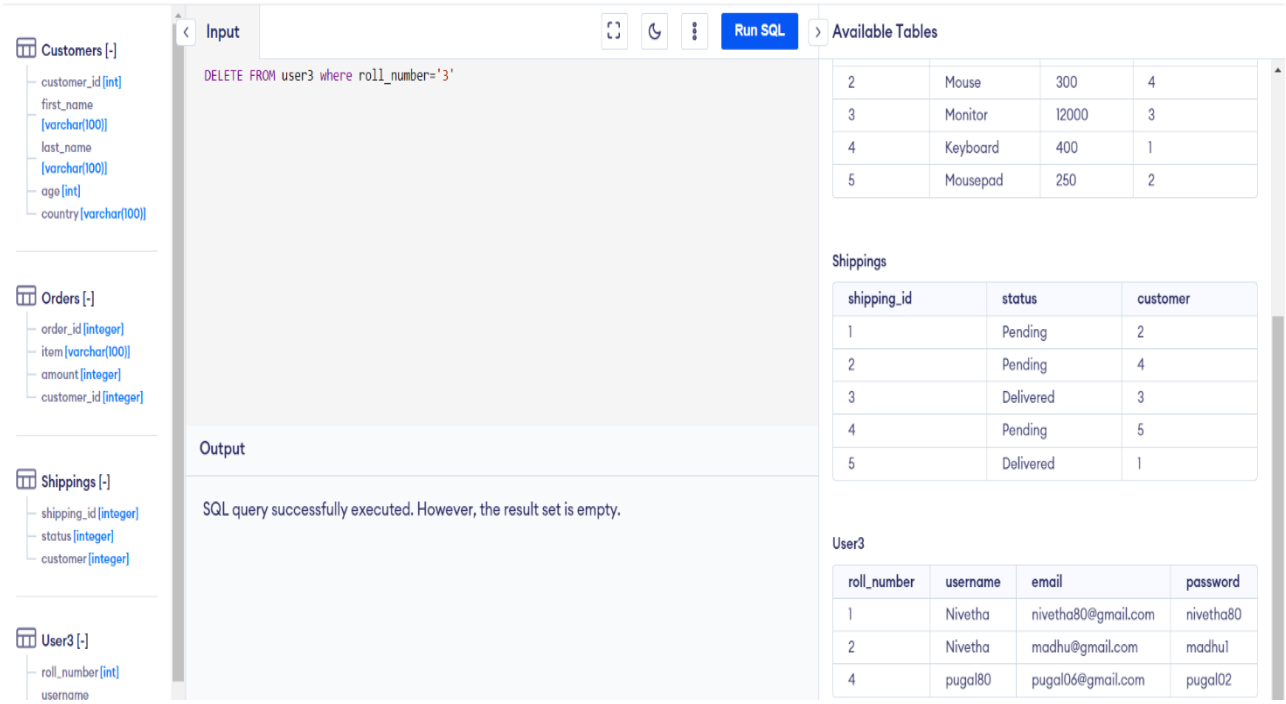
Insert Statement:

INSERT INTO user3 values(5,'aa','aaa@gmail.com','aasdfg2') ;



DELETE Statement:

DELETE FROM user3 where roll_number='5'



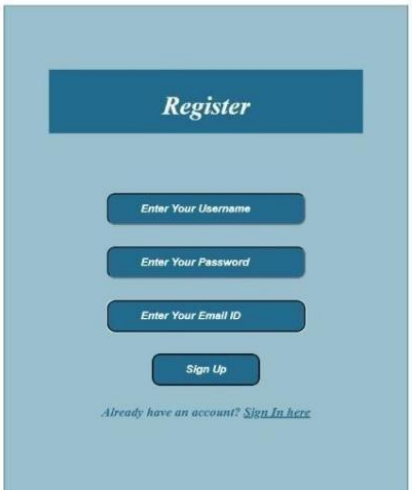
Connect python with db2

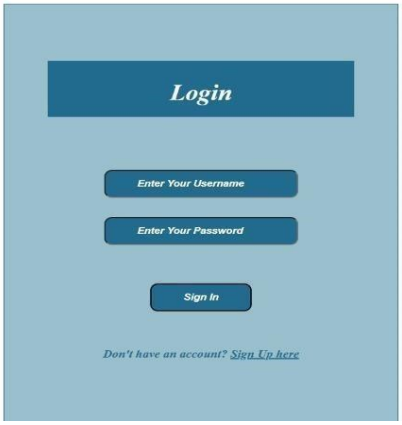
```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=824dfd4d-99de-440d-9991-
629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30119;SECURITY=SSL
;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD=BsnsG1l2sBgIRhVN",'','')
```

```
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)
```


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)
```

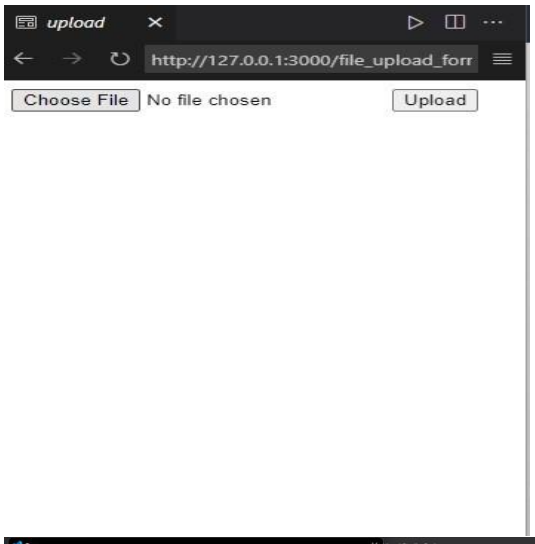
FILE_UPLOAD_FORM.HTML:

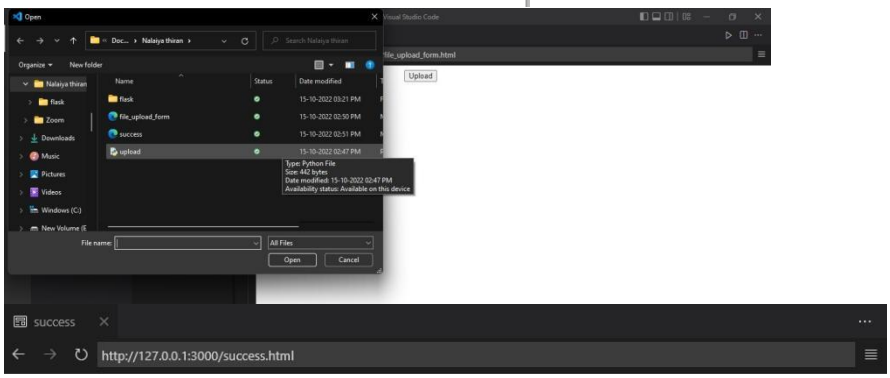
```
<html>
<head>
   <title>upload</title>
</head>
<body>
   <form action = "/success" method = "post" enctype="multipart/form-data">
      <input type="file" name="file" />
      <input type = "submit" value="Upload">
   </form>
</body>
</html>
```

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}}