Assignment -2

Assignment Date	19 September 2022
Student Name	Sneha. O
Student Roll Number	310119104074
Maximum Marks	2 Marks

Question-1:

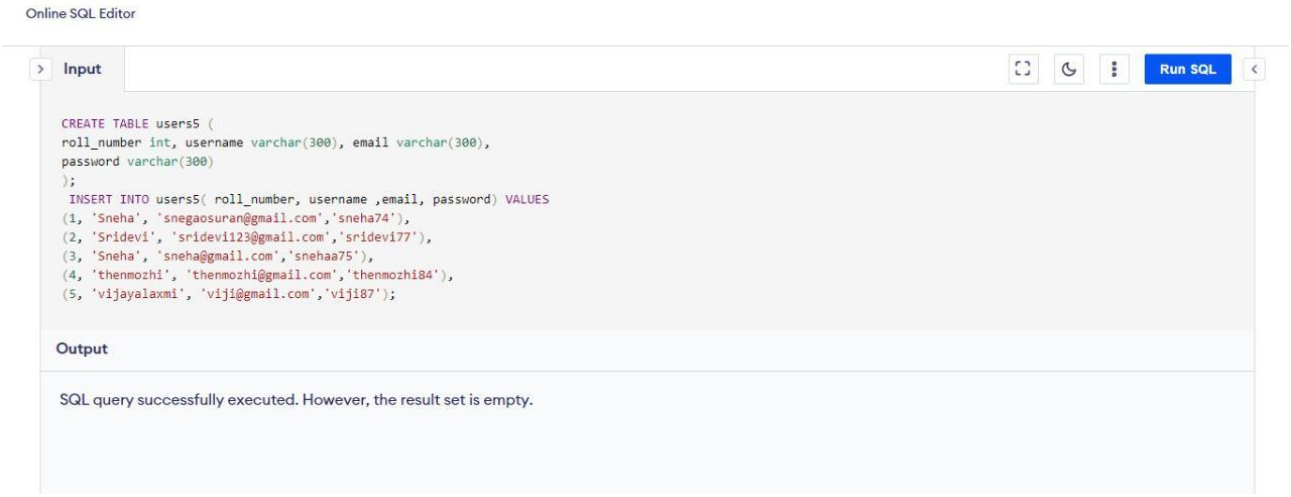
Create user table with user with email, username, roll number, password

```
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, 'Vinothkumar', 'vinothkuma415a@gmail.com','vinoth88'),
(2, 'Sasirajan', 'sasirajan@gmail.com','sasi71'),
(3, 'Sutharshan', 'sutharshan@gmail.com','sutharshan81'),
(4, 'Yuvaraj', 'yuvi@gmail.com','yuvaraj94');
```



Users5

roll_number	username	email
1	Sneha	snegaosuran@gmail.com
2	Sridevi	sridevi123@gmail.com
3	Sneha	sneha@gmail.com
4	thenmozhi	thenmozhi@gmail.com
5	vijayalaxmi	viji@gmail.com

UPDATE Statement:

UPDATE users4 SET username = 'Sutharshan' WHERE roll_number = '2';

Online SQL Editor

Input

Run SQL

```
CREATE TABLE users7 (
roll_number int, username varchar(300), email varchar(300),
password varchar(300)
);
 INSERT INTO users7( roll_number, username ,email, password) VALUES
(1, 'Sneha', 'snegaosuran@gmail.com','sneha74'),
(2, 'Sridevi', 'sridevi123@gmail.com','sridevi77'),
(3, 'Sneha', 'sneha@gmail.com','snehaa75'),
(4, 'thenmozhi', 'thenmozhi@gmail.com','thenmozhi84'),
(5, 'vijayalaxmi', 'viji@gmail.com','viji87');
UPDATE users7 SET username = 'Sneha' WHERE roll_number = '4';
```

Output

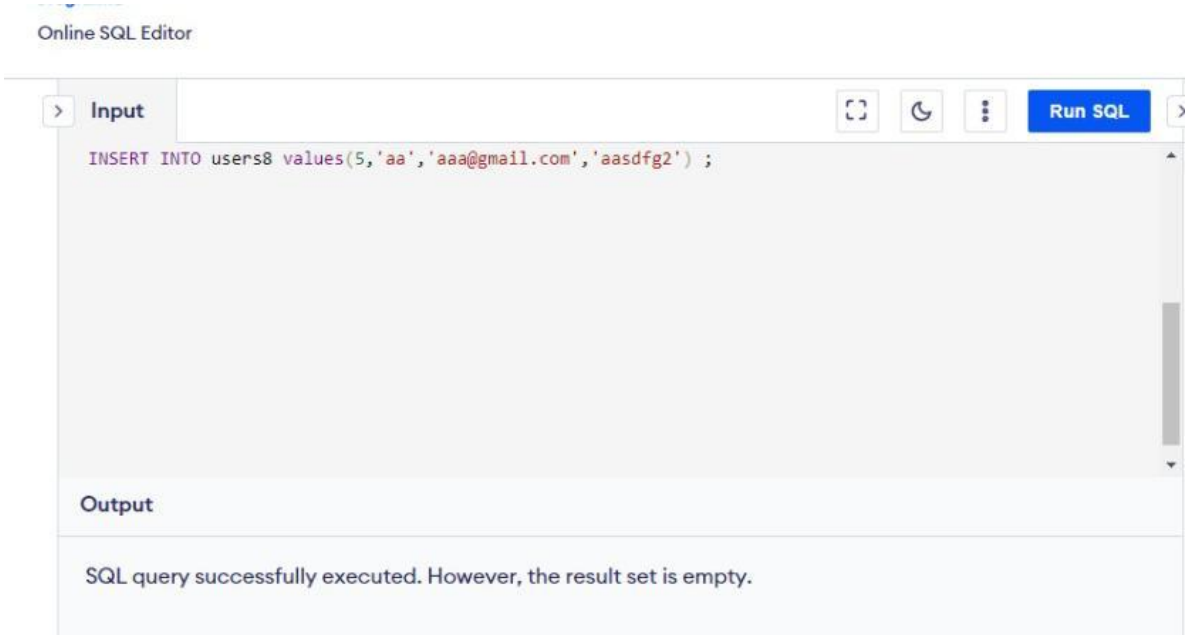
SQL query successfully executed. However, the result set is empty.

Users7

roll_number	username	email
1	Sneha	snegaosuran@gmail.com
2	Sridevi	sridevi123@gmail.com
3	Sneha	sneha@gmail.com
4	Sneha	thenmozhi@gmail.com
5	vijayalaxmi	viji@gmail.com

Insert Statement:

INSERT INTO users5 values(5,'aa','aaa@gmail.com','aasdfg2') ;



Users8

roll_number	username	email
1	Sneha	snegaosuran@gmail.com
2	Sridevi	sridevi123@gmail.com
3	Sneha	sneha@gmail.com
4	Sneha	thenmozhi@gmail.com
5	vijayalaxmi	viji@gmail.com
5	aa	aaa@gmail.com

DELETE Statement:

DELETE FROM users6 where roll_number='5'

Users9

roll_number	username	email
1	Sneha	snegaosuran@gmail.com
2	Sridevi	sridevi123@gmail.com
3	Sneha	sneha@gmail.com
4	Sneha	thenmozhi@gmail.com

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)
```

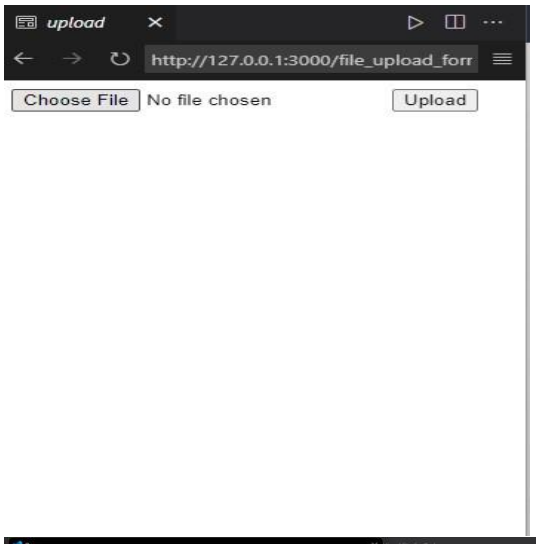
FILE_UPLOAD_FORM.HTML:

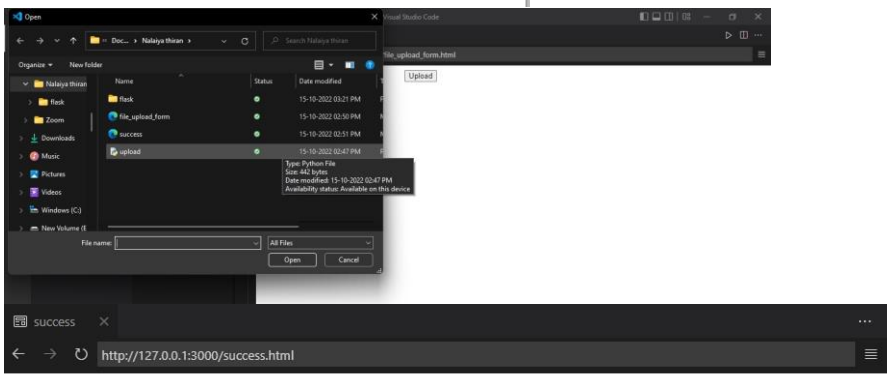
```
<html>
<head>
   <title>upload</title>
</head>
<body>
   <form action = "/success" method = "post" enctype="multipart/form-data">
      <input type="file" name="file" />
      <input type = "submit" value="Upload">
   </form>
</body>
</html>
```

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}}