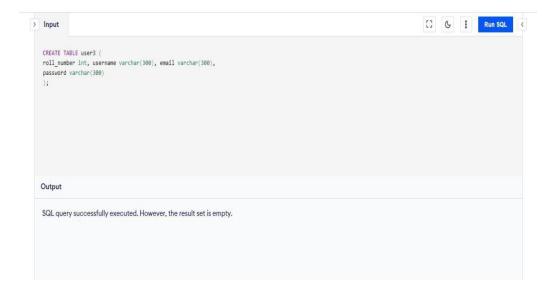
Assignment -2

Assignment Date	19 September 2022
Student Name	Sneha.S
Student Roll Number	310119104075
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 users8(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');

Online SQL Editor

```
CREATE TABLE users5 (
roll_number int, username varchar(300), email varchar(300),
password varchar(300)
);
INSERT INTO users5( roll_number, username ,email, password) VALUES
(1, 'Sneha', 'snegaosuran@gmail.com', 'sneha74'),
(2, 'Sridev', 'sridev'i123@gmail.com', 'sneha74'),
(3, 'Sneha', 'sneha@gmail.com', 'sneha75'),
(4, 'thenmochi', 'thenmochi@gmail.com', 'thenmochi84'),
(5, 'vijayalaxmi', 'viji@gmail.com', 'viji87');

Output

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

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 users8 SET username = 'Sneha' WHERE roll_number = '4';
Online SQL Editor

```
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', 'sneha74'),
(3, 'Sneha', 'sneha@gmail.com', 'sneha75'),
(4, 'thenmozhi', 'thenmozhi@gmail.com', 'thenmozhi84'),
(5, 'vijayalaxmi', 'viji@gmail.com', 'viji87');
UPDATE users7 SET username = 'Sneha' WHERE roll_number = '4';

Output

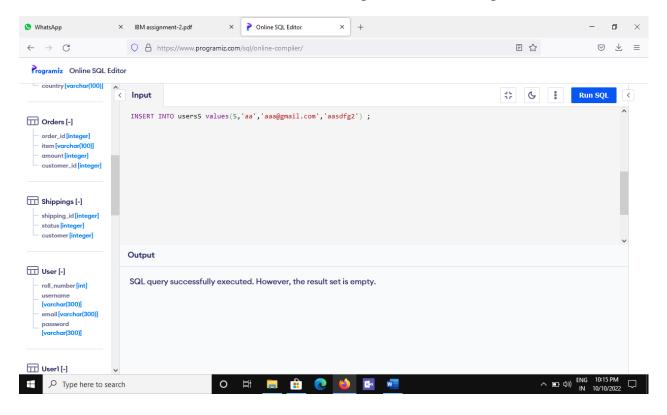
SQL query successfully executed. However, the result set is empty.
```

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:

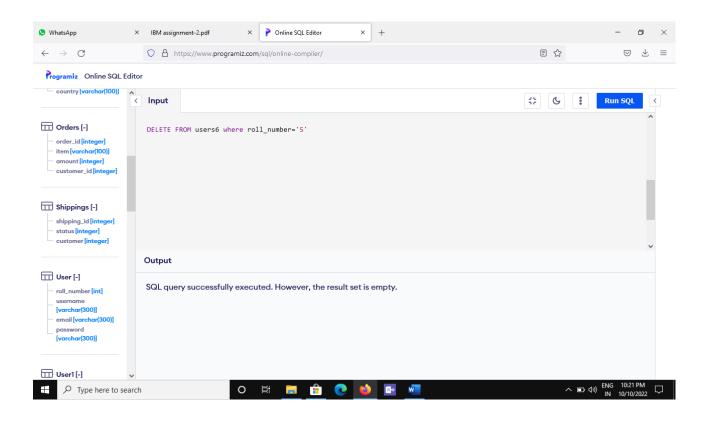
INSERT INTO users5 values(5, 'aa', 'aaa@gmail.com', 'aasdfg2');





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

@app.route('/')

```
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('/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'[^{\circ}@]+@[^{\circ}@]+\.[^{\circ}@]+', 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)
```



