

## 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)  
);
```

Input

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

Run SQL

Output

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

## 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');
```

Online SQL Editor

Input

```
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, 'Sridevi', 'sridevi123@gmail.com','sridevi77'),  
(3, 'Sneha', 'sneha@gmail.com','sneha75'),  
(4, 'thenmozhi', 'thenmozhi@gmail.com','thenmozhi84'),  
(5, 'vijayalaxmi', 'viji@gmail.com','viji87');
```

Run SQL

Output

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

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');
```

Online SQL Editor

> Input



Run SQL

```
INSERT INTO users8 values(5,'aa','aaa@gmail.com','aasdfg2');
```

Output

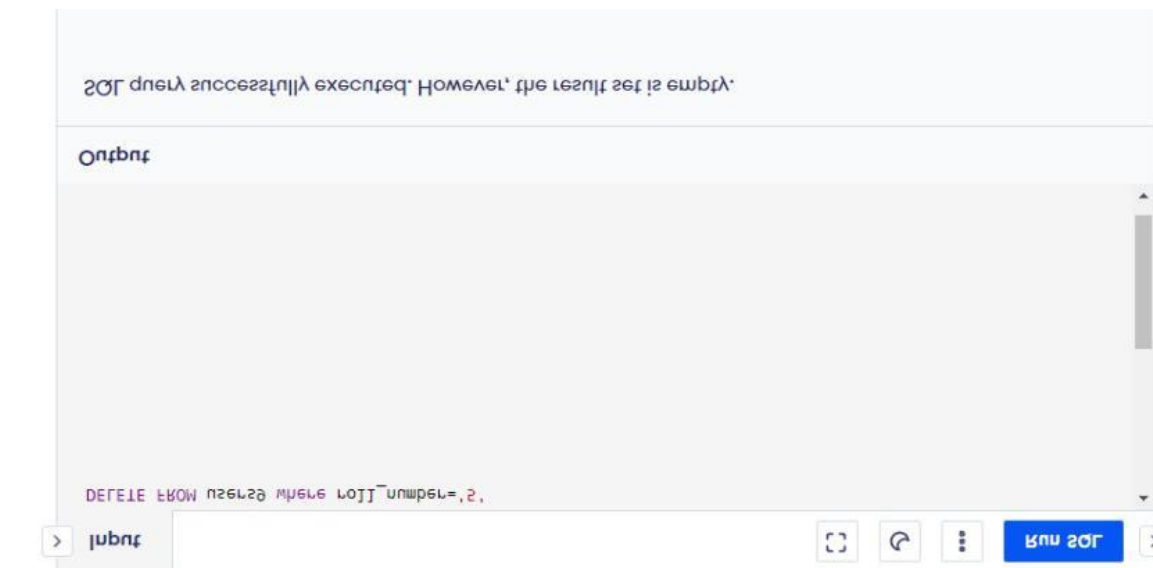
SQL query successfully executed. However, the result set is empty.

### 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'



Online SQL Editor

## 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;SE
CURITY=SSL
;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD=BsnsG1l2s
BgIRhVN",'')
```

```
from flask import Flask, render_template, request, redirect, url_for, session
```

```
from flask_mysqlldb 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)
```

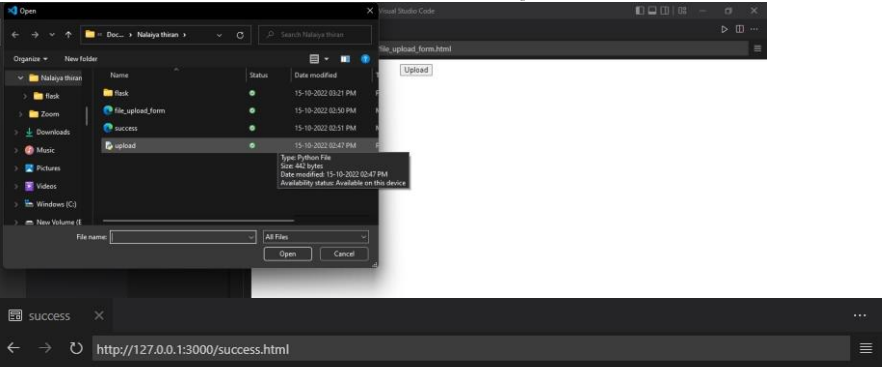
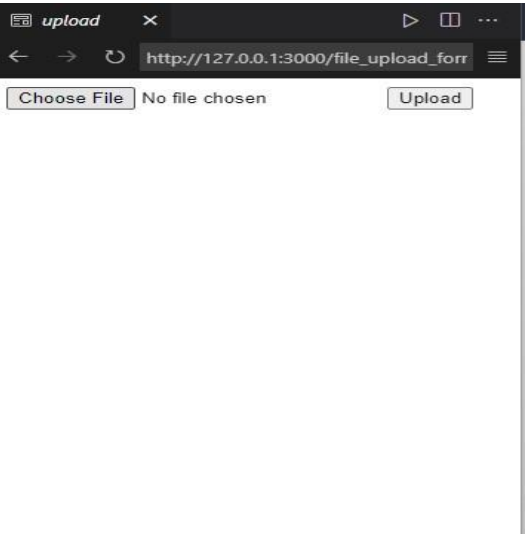
**FILE\_UPLOAD\_FORM.HTML:**

```
<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}}