

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)  
);
```

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 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

> 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','snehaa75'),
(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 users8 SET username = 'Sneha' WHERE roll_number = '4';

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');

The screenshot displays a web browser window with the URL <https://www.programiz.com/sql/online-compiler/>. The browser tabs include 'WhatsApp', 'IBM assignment-2.pdf', and 'Online SQL Editor'. The page title is 'Programiz Online SQL Editor'. On the left sidebar, there is a database schema tree with the following tables and columns:

- country** [varchar(100)]
- Orders** [-]
 - order_id [integer]
 - item [varchar(100)]
 - amount [integer]
 - customer_id [integer]
- Shippings** [-]
 - shipping_id [integer]
 - status [integer]
 - customer [integer]
- User** [-]
 - roll_number [int]
 - username [varchar(300)]
 - email [varchar(300)]
 - password [varchar(300)]
- User1** [-]

The main editor area is divided into two sections: 'Input' and 'Output'. The 'Input' section contains the SQL query: `INSERT INTO users5 values(5,'aa','aaa@gmail.com','aasdfg2');`. The 'Output' section displays the message: 'SQL query successfully executed. However, the result set is empty.' A 'Run SQL' button is located in the top right corner of the editor area. The Windows taskbar at the bottom shows the search bar, task view, and several application icons, with the system clock indicating 10:15 PM on 10/10/2022.

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'

The screenshot displays a web browser window with the URL <https://www.programiz.com/sql/online-compiler/>. The page title is "Programiz Online SQL Editor". On the left sidebar, there is a database schema tree with the following tables and their columns:

- country** [varchar(100)]
- Orders** [-]
 - order_id [integer]
 - item [varchar(100)]
 - amount [integer]
 - customer_id [integer]
- Shippings** [-]
 - shipping_id [integer]
 - status [integer]
 - customer [integer]
- User** [-]
 - roll_number [int]
 - username [varchar(300)]
 - email [varchar(300)]
 - password [varchar(300)]
- User1** [-]

The main editor area has an "Input" tab where the SQL query `DELETE FROM users6 where roll_number='5'` is entered. A "Run SQL" button is located at the top right of the editor. Below the input area is the "Output" section, which displays the message: "SQL query successfully executed. However, the result set is empty." The browser's taskbar at the bottom shows the Windows logo, a search bar, and several application icons, including File Explorer, Edge, and Word. The system clock in the bottom right corner indicates the date and time as 10:21 PM on 10/10/2022.

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=BsnsG112sBgIRhVN",'','')
```

```
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