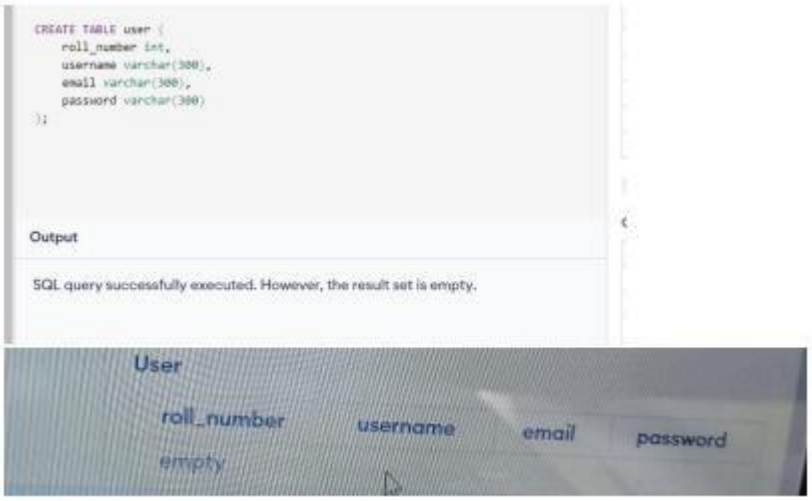
Assignment-2

Assignment Date	19 September 2022
Student Name	961819104053
Student Register Number	S.Mancy Ruba
Maximum Marks	2 Marks

1. **Create user table with user with email, username, roll number, password**

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

OUTPUT:



2. **Perform UPDATE, DELETE Queries with user table**

INSERT Statement:

```
INSERT INTO user
 (roll_number, username, email, password) VALUES
 (1, 'akshya', 'akshya@gmail.com','akshya123'),
 (2, 'ashwini', 'ashwini@gmail.com','ashwini123'),
 (3, 'durga', 'durga@gmail.com','durga123'),
(4, 'deekshitha', 'deekshi@gmail.com','deekshi123');
```

OUTPUT:

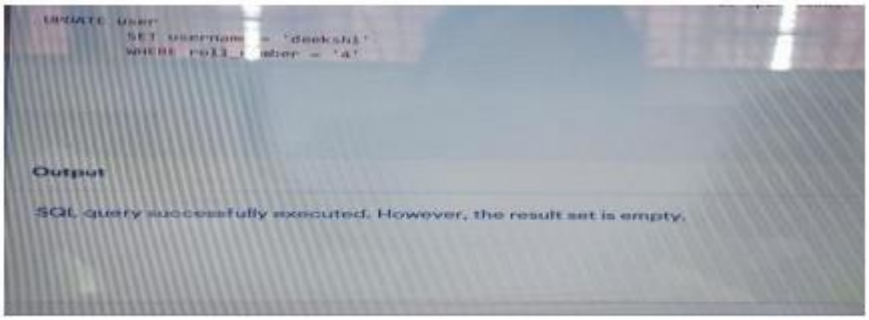
```
INSERT INTO user
    ( roll_number, username ,email, password)  VALUES
    (1, 'akshya', 'akshya@gmail.com','akshya123'),
    (2, 'ashwini', 'ashwini@gmail.com','ashwini123'),
    (3, 'durga', 'durga@gmail.com','durga123'),
    (4, 'deekshitha', 'deekshi@gmail.com','deekshi123');
```

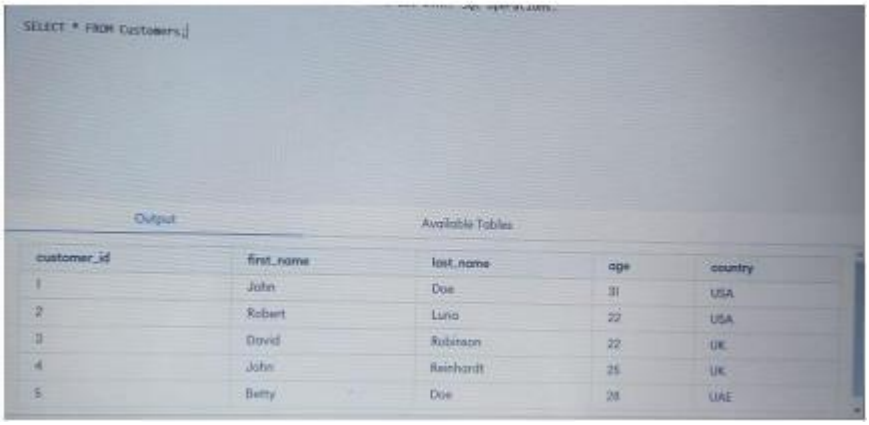
Output

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

UPDATE Statement:
UPDATE user SET username
= 'deekshi'
WHERE roll_number = '4'

OUTPUT:

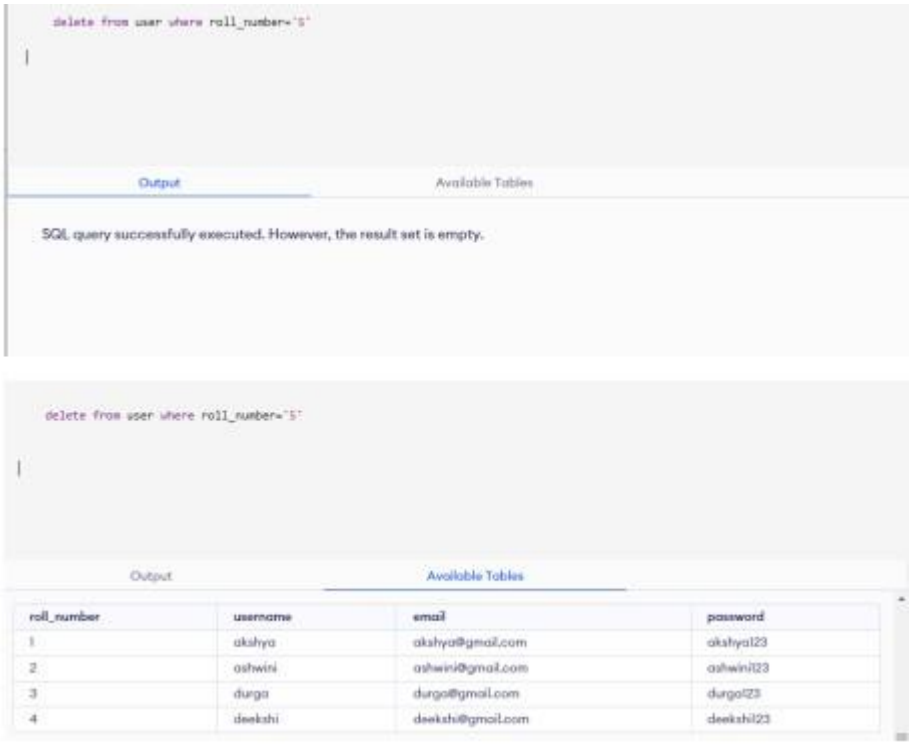




DELETE Statemnet:

insert into user values(5,'aa','aaa@gmail.com','aasdfg2') ;
delete from users where roll_number='5'

OUTPUT:

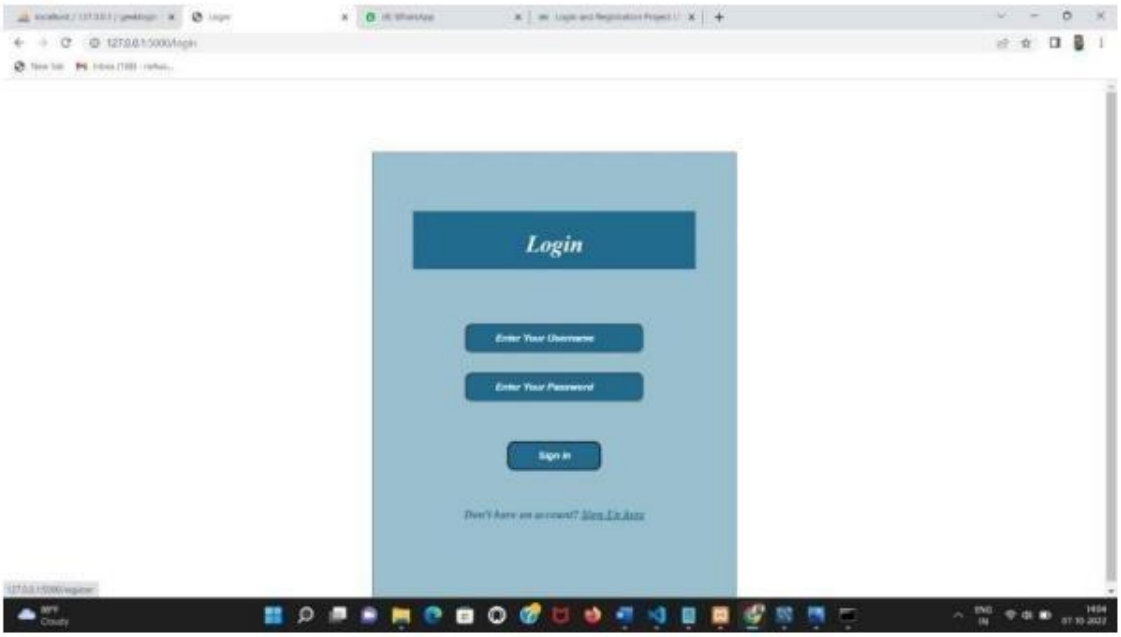


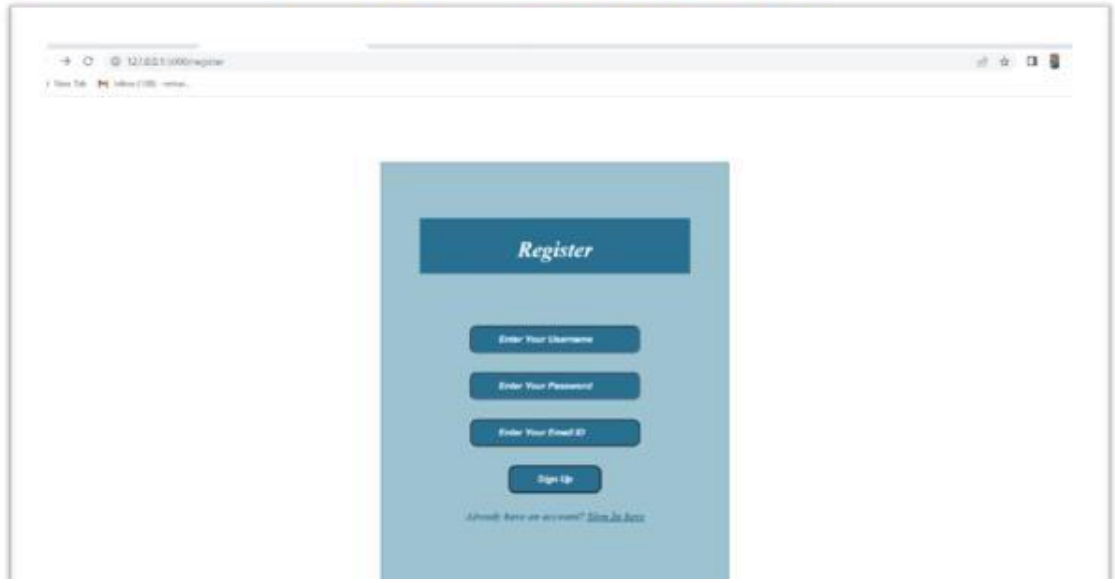
3. Connect python with db2

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=824dfd4d-99de-440d-9991-
629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30119;SECUR ITY=SSL
;
SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=lvq43963;PWD=BsnsG1l2sBgI RhVN",'
','')
 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)
```

OUTPUT:


Login
Enter Your Username
Enter Your Password
Sign in
Don't have an account? Sign Up here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