**Assignment -2**

**Question-1:**

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

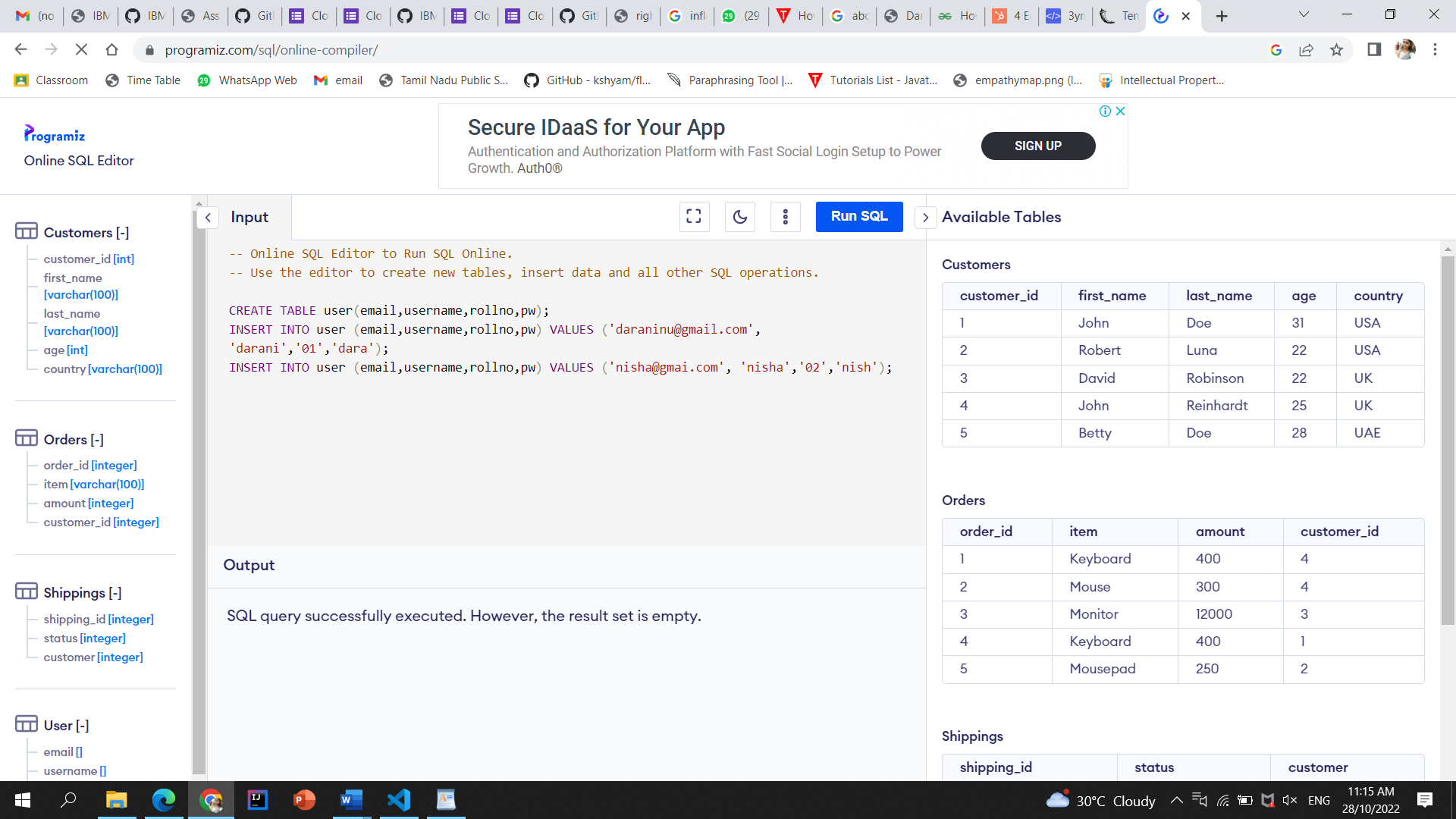
**Solution:**

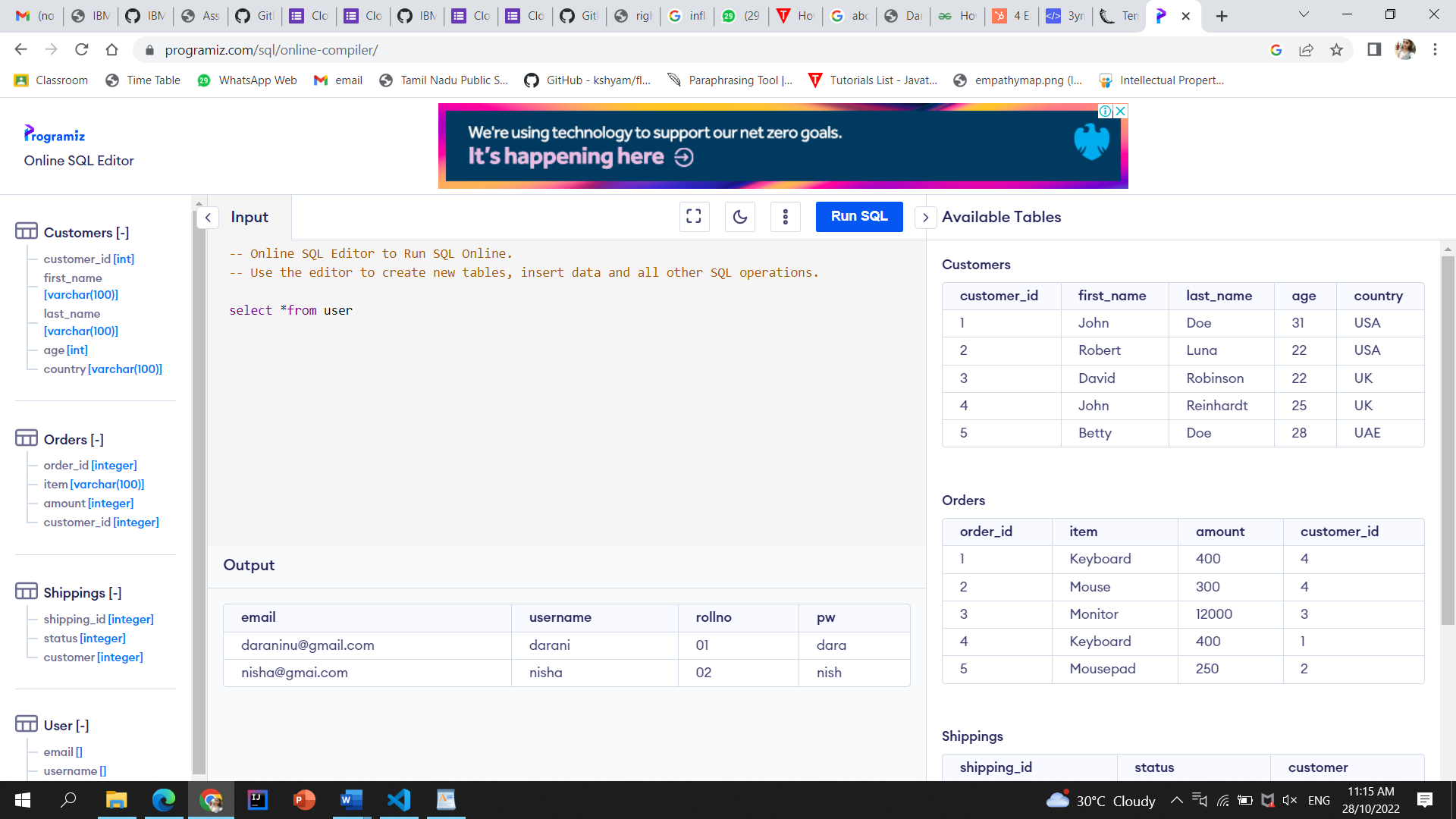
CREATE TABLE user(email,username,rollno,pw);

INSERT INTO user (email,username,rollno,pw) VALUES ('daraninu@gmail.com', 'daranya','01','dara');

INSERT INTO user (email,username,rollno,pw) VALUES ('nisha@gmail.com', 'nisha','01','nish');

**Output:**

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****

**Question-2:**

Perform UPDATE,DELETE Queries with user table **Solution:**

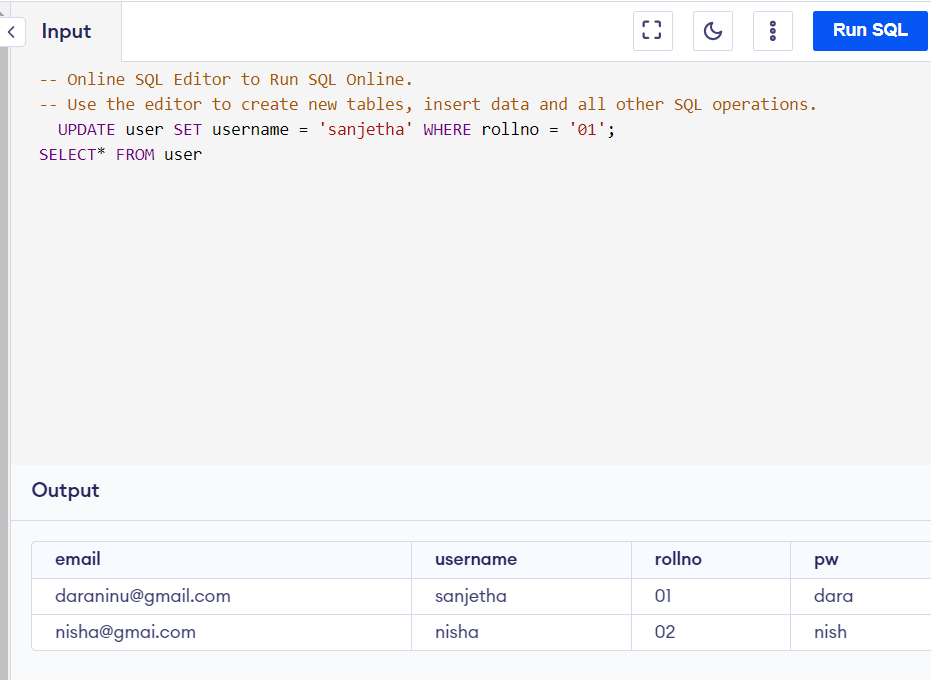
UPDATE user SET username = 'sanjetha' WHERE rollno = '01';

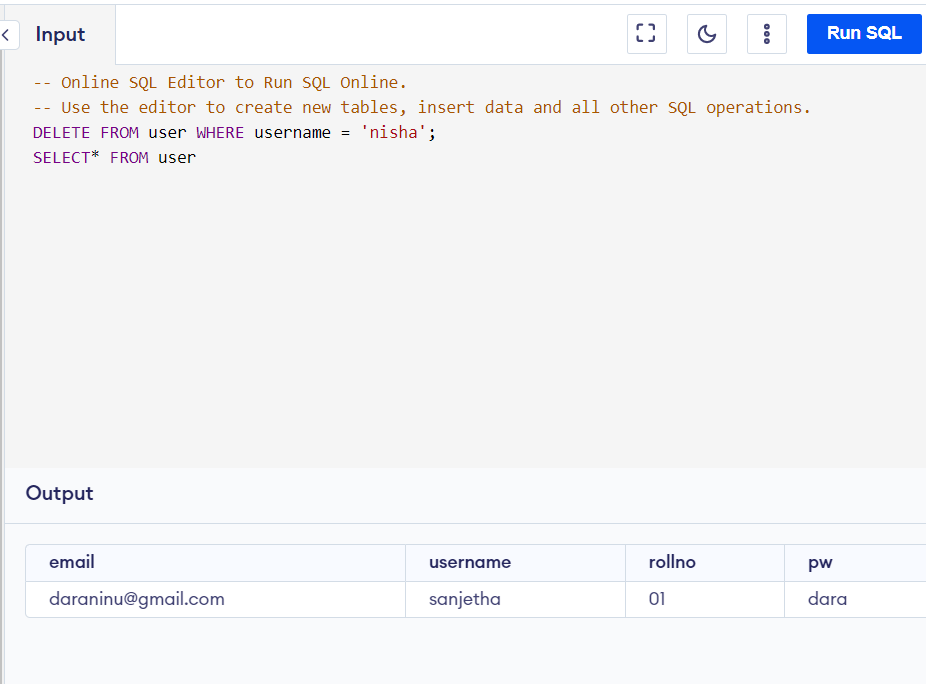
SELECT\* FROM user

DELETE FROM user WHERE username = 'nisha';

SELECT\* FROM user

**Output:**





**Question-3:**

Connect python code to db2.

**Solution:**

pip install ibm\_db from ibm\_db import connect

connection = connect('DATABASE=<database name>;'

'HOSTNAME=<database ip>;' # 127.0.0.1 or localhost works if it's local

'PORT=<database port>;'

'PROTOCOL=TCPIP;'

'UID=<database username>;'

'PWD=<username password>;', '', '') def results(command):

from ibm\_db import fetch\_assoc

ret = []

result = fetch\_assoc(command) while result:

ret.append(result)

result = fetch\_assoc(command)

return ret # Ditch this line if you choose to use a generator.

from ibm\_db import tables

t = results(tables(connection))

from ibm\_db import exec\_immediate

sql = 'LIST \* FROM ' + t[170]['TABLE\_NAME'] rows = results(exec\_immediate(connection, sql))

**Question-4:**

Create a flask app with registration page, login page and welcome page. By default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password. If the user is valid show the welcome page

**Solution:**

@app.route('/login', methods=['GET', 'POST']) def login():

error = None if request.method == 'POST': if request.form['username'] != 'admin' or request.form['password'] != 'admin':

error = 'Invalid Credentials. Please try again.' else:

return redirect(url\_for('home')) return render\_template('login.html', error=error) **html code:** <html>

<head>

<title>Flask Intro - login page</title>

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link href="static/bootstrap.min.css" rel="stylesheet" media="screen"> </head>

<body>

<div class="container">

<h1>Please login</h1>

<br>

<form action="" method="post">

<input type="text" placeholder="Username" name="username" value="{{ request.form.username }}">

<input type="password" placeholder="Password" name="password" value="{{request.form.password}}">

<input class="btn btn-default" type="submit" value="Login">

</form>

{% if error %}

<p class="error"><strong>Error:</strong> {{error}}

{% endif %}

</div>

</body>

</html>

**Output:**

