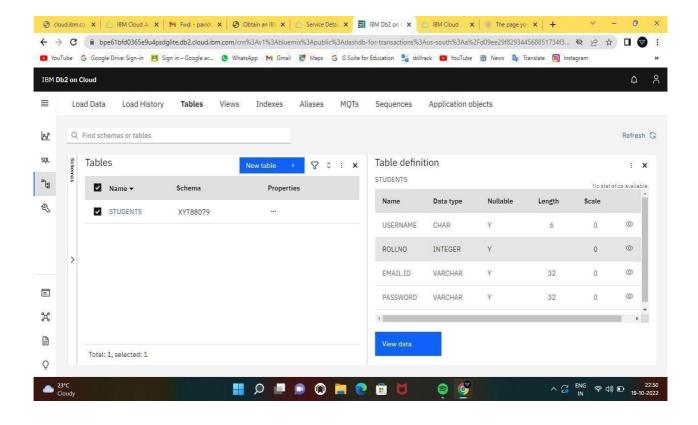
ASSIGNMENT-2

IBM CLOUD DBS

| Student Name | K.Manikandan |
|---------------------|--------------|
| Student Roll Number | 951919CS050 |

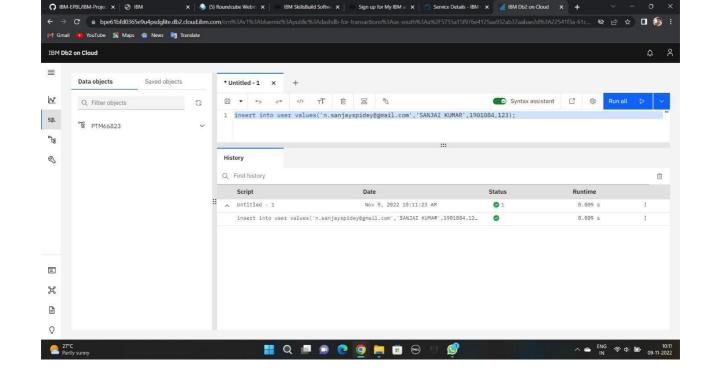
Questions:

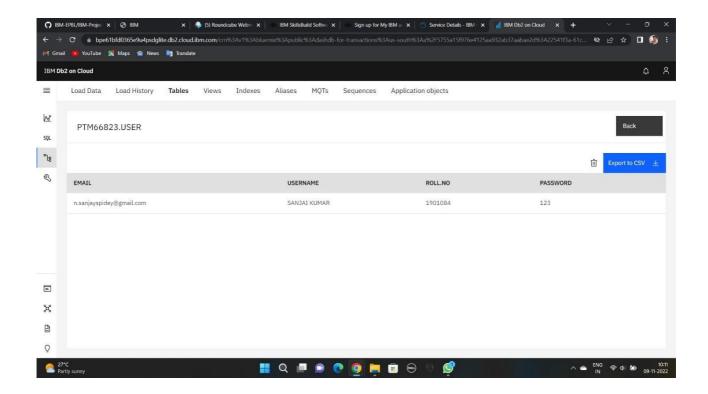
1. Create User table with user with email, username, roll number, password



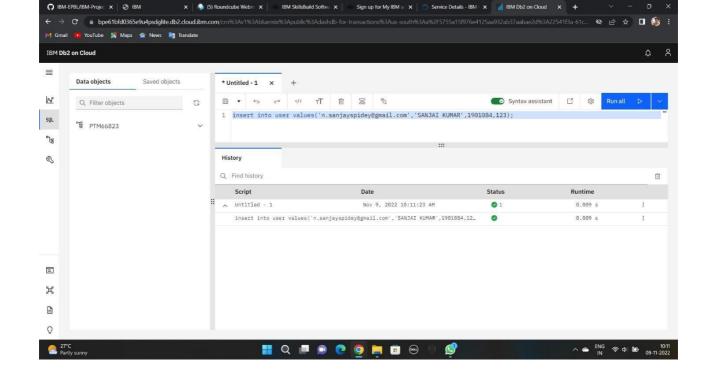
2. Perform UPDATE, DELETE Queries with user table.

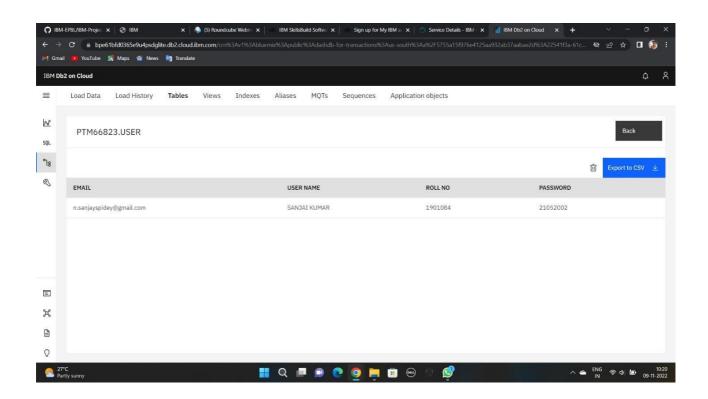
INSERT TABLE:-



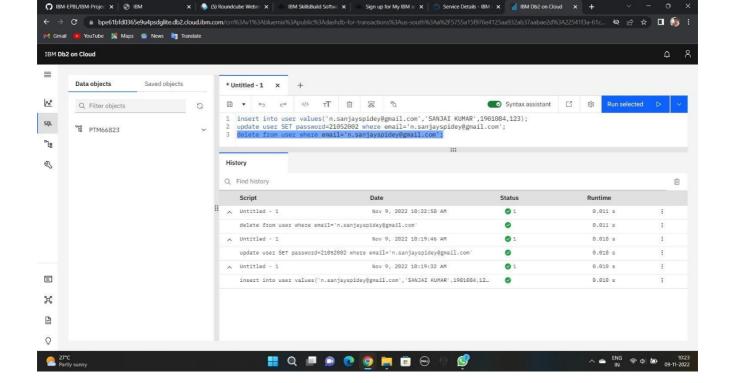


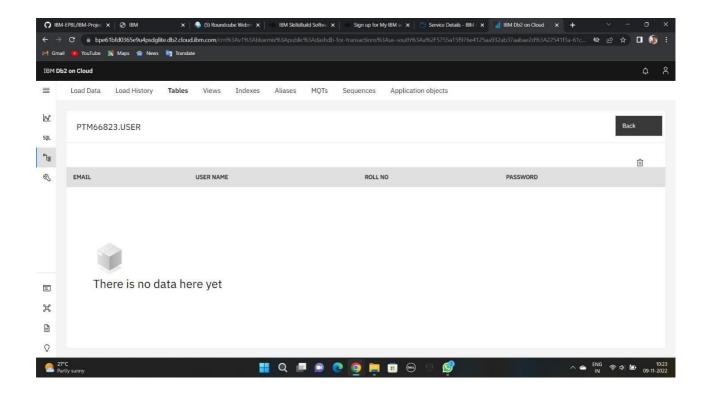
UPDATE TABLE:-





DELETE TABLE:-





3. CONNECT PYTHON CODE TO DB2.

NOTE:- Question 4 contains Question 3 answer

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

```
from flask import Flask, render_template, request, redirect, url_for,
session import ibm_db import re
app = Flask(_name_) app.secret_key
conn =
   ibm_db.connect( "DATABASE=Db2New;HOSTNAME=19af6446
   -6171-4641-8aba-
9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30699;USERNAM
E=kgb92696;PASSWORD=3I1WyGYU3bMIvwnX;SECURITY=SSL;SSLSERVERCERTIFICATE=DigiCer
@app.route("/", methods=['GET', 'POST']) def
register(): msg = '' if request.method ==
'POST':
       username = request.form['username'] email =
       request.form['email']
                                   password
       request.form['password'] sql = "SELECT *
               WHERE
                       username =?"
                                          stmt
       ibm_db.prepare(conn,
                                               sql)
       username)
                                     account
       ibm_db.fetch_assoc(stmt) print(account) 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 = 'name must contain only characters and numbers !'
```