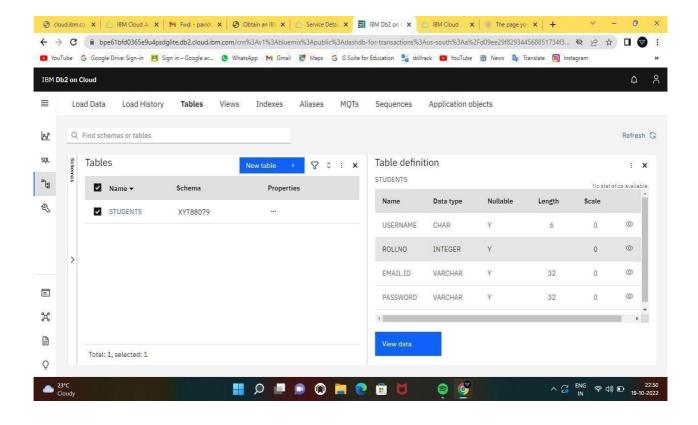# ASSIGNMENT-2

IBM CLOUD DBS

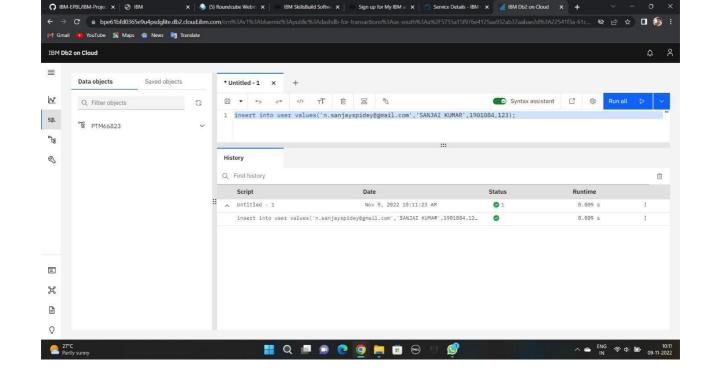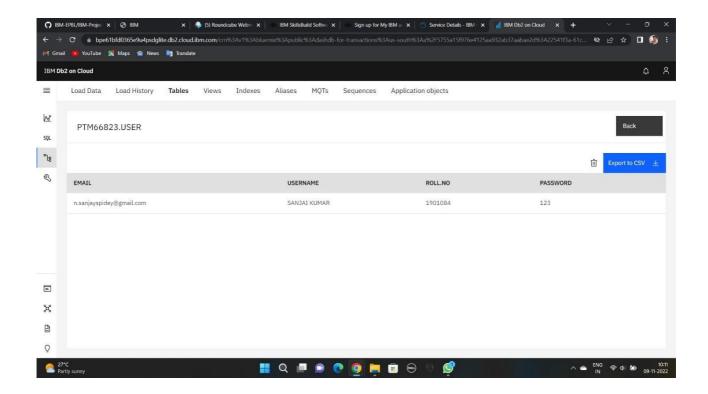| Student Name	R.Manojkumar
Student Roll Number	951919CS054

Questions:

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

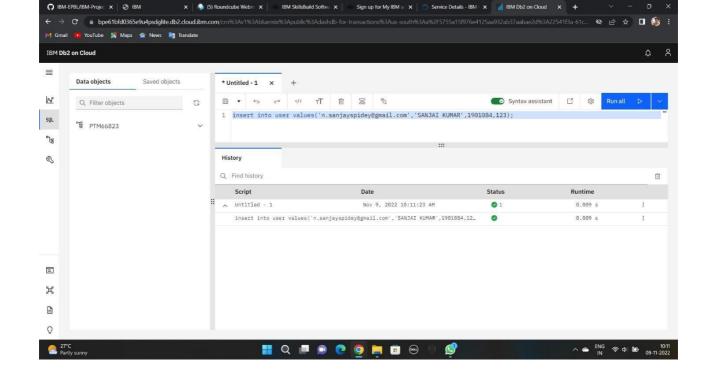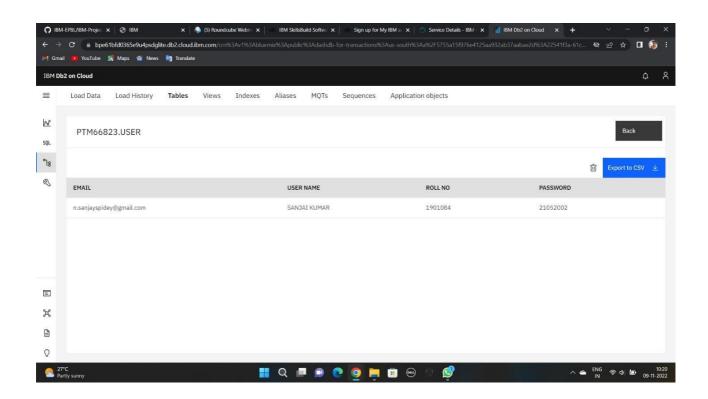

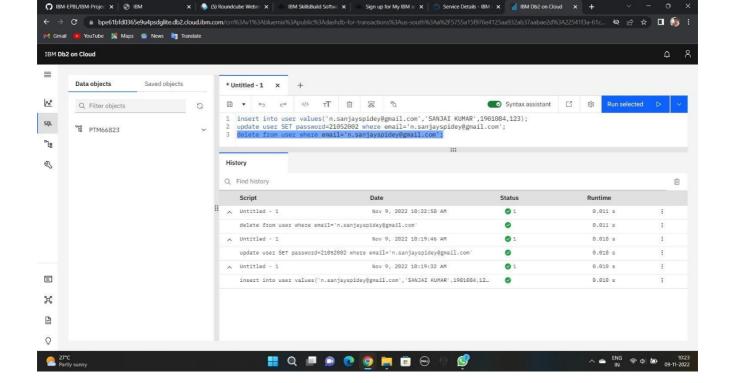2.   Perform UPDATE, DELETE Queries with user table.

INSERT TABLE:-

UPDATE TABLE:-
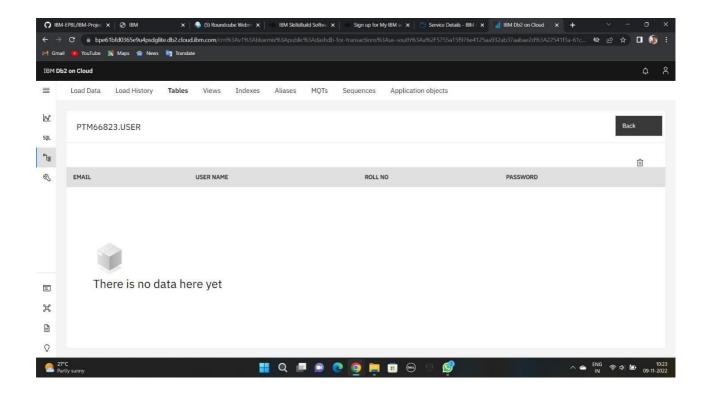
DELETE TABLE:-

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

Answers App.py

```python
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=3IlWyGYU3bMIvwnX;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 *  FROM
        users    WHERE    username   =?"    stmt    =
        ibm_db.prepare(conn,                       sql)
        ibm_db.bind_param(stmt,      1,      username)
        ibm_db.execute(stmt)           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 !'
```