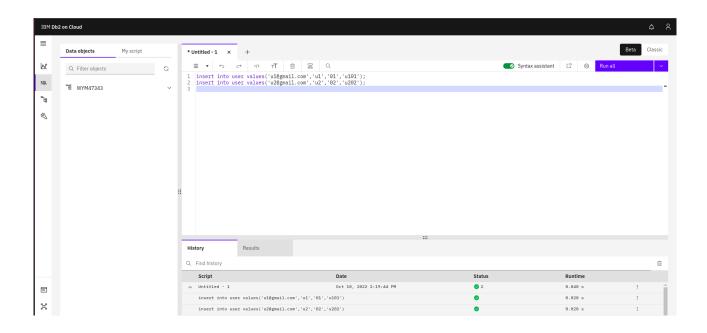
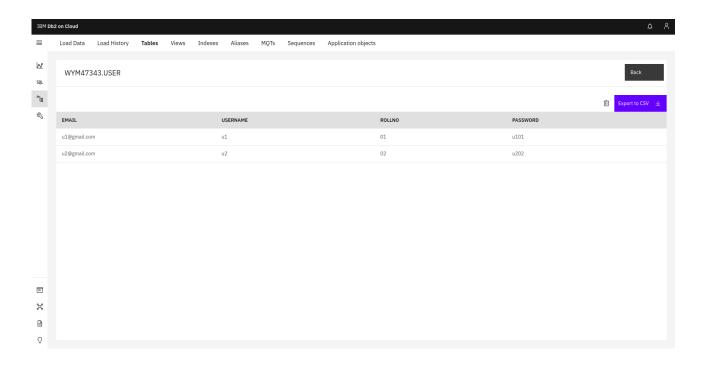
#### **ASSIGNMENT 2**

Student Name	Ms.Aarthi Suresh Kumar
Student Roll Number	195001003

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

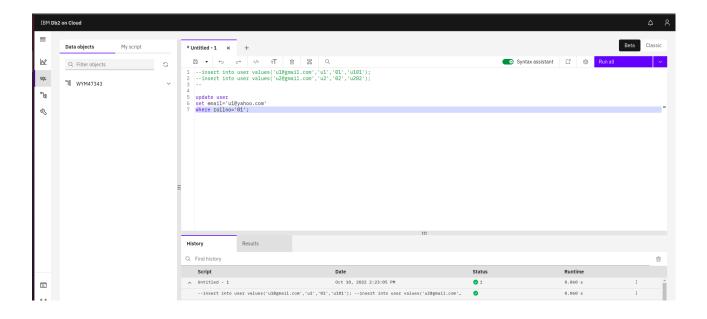
### **INSERTION:**

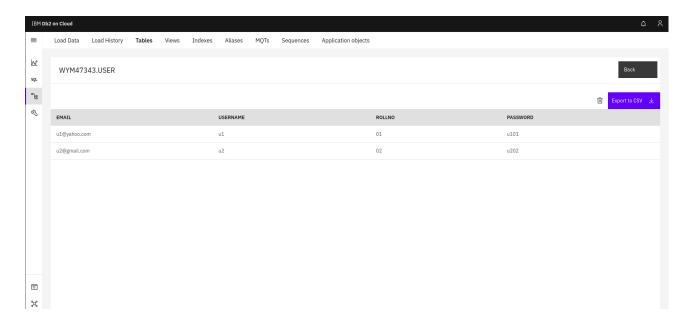




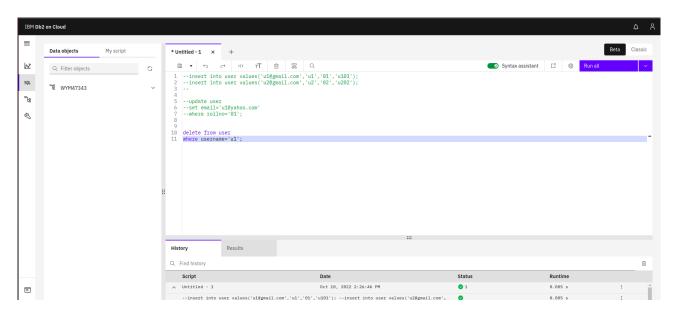
## 2. Perform UPDATE, DELETE Queries with user table

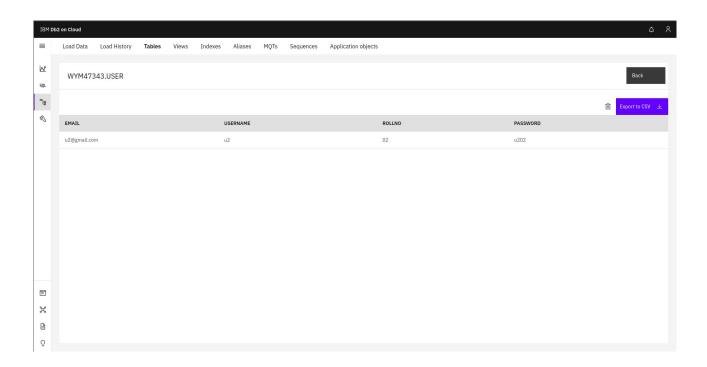
### **UPDATION:**



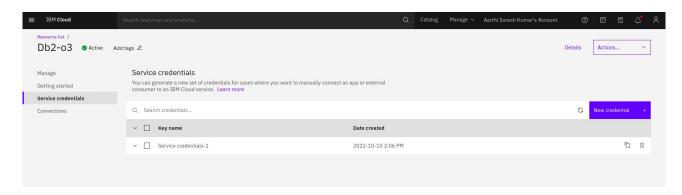


### **DELETION:**





### 3. Connect python code to db2.



conn=ibm\_db.connect("DATABASE=bludb;HOSTNAME=19af6446-6171-4641-8aba-9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30699;Security=SSL;SSLS erverCertificate=DigiCertGlobalRootCA.crt;UID=wym47343;PWD=RfUrGhT3TSiZ6ZWY;",""",""")

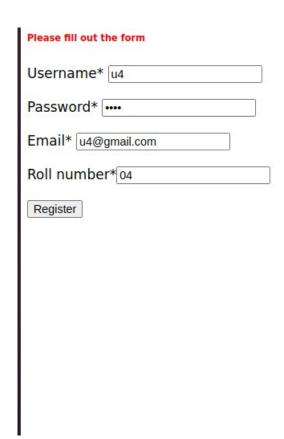
4. Create a flask app with registration page, login page and welcome page. By default load the registration page once the user enters

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 server.py

```
#!/usr/bin/env python3
# -*- coding: utf-8 -*-
Created on Mon Oct 10 14:37:25 2022
@author: aarthi
from flask import Flask, render_template, url_for,session,request, redirect
import ibm_db
app=Flask(__name__, template_folder='templates')
app.secret_key='a'
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=19af6446-6171-4641-8aba-
9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30699;Security=SSL;SSLS
erverCertificate=DigiCertGlobalRootCA.crt;UID=wym47343;PWD=RfUrGhT3TSiZ6ZWY;","",""
)
@app.route('/', methods=['GET','POST'])
def register():
  msg=" "
  if request.method=='POST':
```

```
username=request.form['username']
    password=request.form['password']
    email=request.form['email']
    rollno=request.form['rollno']
    sql="INSERT INTO user VALUES(?,?,?,?)"
    stmt=ibm_db.prepare(conn,sql)
    ibm_db.bind_param(stmt,1,email)
    ibm_db.bind_param(stmt,2,username)
    ibm_db.bind_param(stmt,3,rollno)
    ibm_db.bind_param(stmt,4,password)
    ibm db.execute(stmt);
    msg='Succesfully registered!'
    return redirect(url_for('login'))
  elif request.method=='GET':
    msg='Please fill out the form'
    return render_template('register.html',msg=msg)
@app.route("/login",methods=['GET','POST'])
def login():
  global userid
  msg=" "
  if request.method=='POST':
    username=request.form['username']
    password=request.form['password']
    sql="SELECT * FROM user WHERE username=? AND password=?"
    stmt=ibm_db.prepare(conn,sql)
    ibm_db.bind_param(stmt,1,username)
    ibm_db.bind_param(stmt,2,password)
    ibm db.execute(stmt)
    account=ibm_db.fetch_assoc(stmt)
    print(account)
    if account:
      session['loggedin']=True
      session['id']=account['USERNAME']
      userid=account['USERNAME']
      session['username']=account["USERNAME"]
      msg='Logged in successfully'
       return render_template("welcome.html",msg=msg,username=userid)
    else:
      msg='Incorrect username/password'
      return render template('login.html', msg=msg)
```

```
elif request.method=='GET':
    return render_template('login.html')
if __name__=='__main__':
  app.run(host='0.0.0.0')
register.html
<html>
<body>
  <h6 style="color:red">{{msg}}</h6>
  <form action="/" method="POST">
    Username* <input type="text" name="username" placeholder="Enter username "><br/>><br/>
    Password* <input type="password" name="password"><br/><br/>
    Email* <input type="email" name="email" placeholder="Enter email"><br/>><br/>
    Roll number*<input type="number" name="rollno" placeholder="Enter roll no."><br/>><br/>
    <input type="submit" value="Register">
  </form>
</body>
</html>
login.html
<html>
<body>
  <h5 style="color:red">{{msg}}</h5>
  <form action="/login" method="POST">
    Username <input type="text" name="username" placeholder="Enter username"><br/>br/><br/>
    Password <input type="password" name="password" placeholder="********************
    <input type="submit" value="Login">
  </form>
</body>
</html>
welcome.pv
<h1>Welcome {{username}}!</h1>
< h6 > {\{msg\}} < /h6 >
REGISTERATION PAGE:
```



## LOGIN PAGE:

redirected to login page after successful registration

Username u4	
Password ••••	
Login	
ľ	
•	

### WELCOME PAGE:

redirected to welcome page on successful login

Welcome u4 !
Logged in successfully
edirected back to login page in the case of incorrect credentials
ncorrect username/password

Incorrect username/password	
Username Enter username	_
Password ********	
Login	