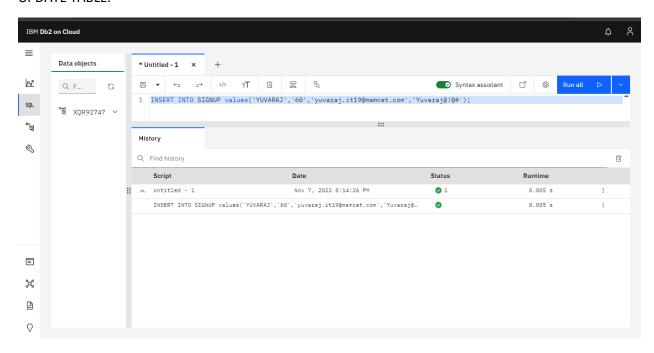
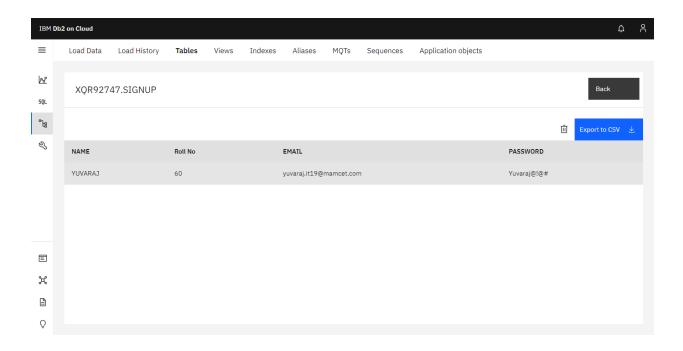
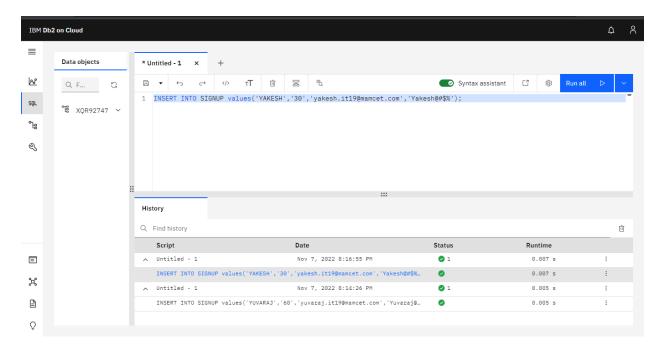
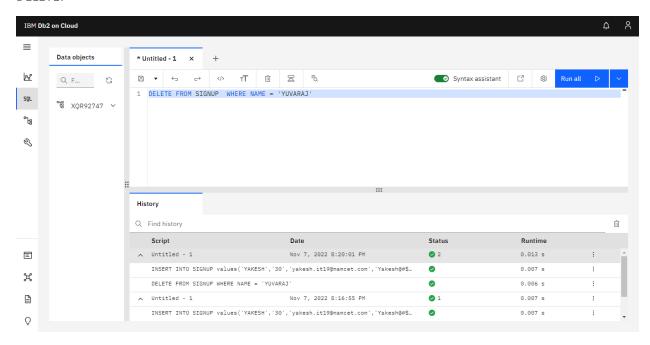
UPDATE TABLE:



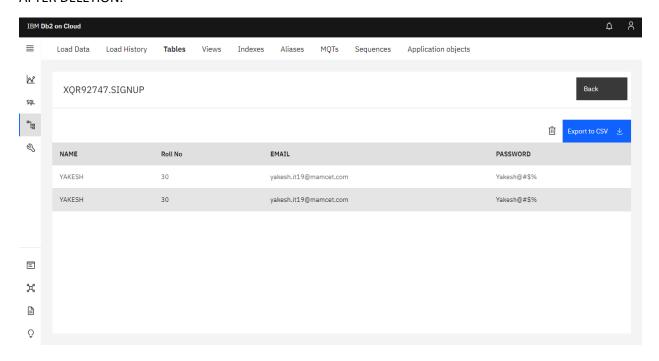




DELETE:



AFTER DELETION:



```
from flask import Flask, render_template, request,
redirect, url_for, session import ibm_db import re app =
Flask(__name__) app.secret_key =
'a' conn
ibm db.connect(
    "DATABASE=Db2New; HOSTNAME=19af6446-6171-4641-8aba-
9dcff8e1b6ff.clogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30699;USERNAM
E=kgb92696;PASSWORD=3I1WyGYU3bMIvwnX;SECURITY=SSL;SSLSERVERCERTIFICATE=DigiCer
tGlobalRootCA.crt;", "", "")
@app.route("/", methods=['GET', 'POST'])
def register(): msg = ''
request.method == 'POST':
        username = request.form['username']
email = request.form['email']
                                     password =
request.form['password']
                               sql = "SELECT * FROM
                                stmt =
users WHERE username =?"
ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt, 1, username)
ibm db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
                      if account:
print(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 !'
```

```
else:
          insert_sql = "INSERT INTO users VALUES (?, ?, ?)"
prep_stmt = ibm_db.prepare(conn, insert_sql)
ibm_db.bind_param(prep_stmt, 1, username)
ibm_db.bind_param(prep_stmt, 2, email)
ibm_db.bind_param(prep_stmt, 3, password)
ibm db.execute(prep stmt)
                                 msg = 'You have successfully registered
     elif request.method == 'POST':
       msg = 'Please fill out the form !'
   return render_template('register.html', msg=msg)
@app.route('/login', methods=['GET', 'POST']) def Login(): global
         username = request.form['username']
                                      password =
request.form['password']
                             sql = "SELECT * FROM users 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)
                                                 if account:
                             print(account)
          session['loggedin'] = True
                                            session['id']
                            userid
= account['USERNAME']
                           session['username'] =
= account['USERNAME']
account['USERNAME'] msg = 'Logged in
successfully !'
          msg = 'Logged in successfully !'
                                                  return
render_template('dashboard.html', msg=msg)
                                            else:
          render_template('login.html', msg=msg)
if __name__ == '__main__':
app.run(host='0.0.0.0')
   # app.run(debug=True)
```