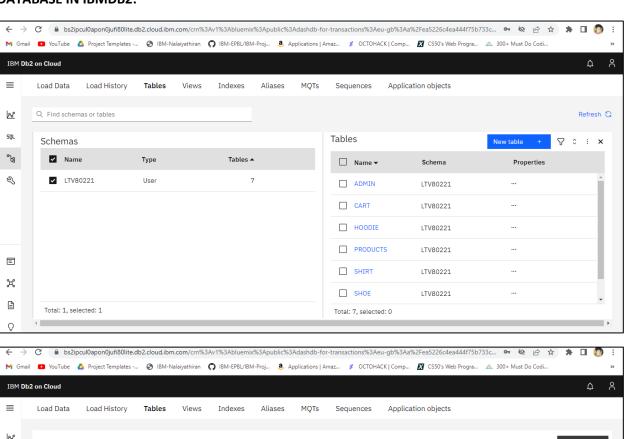
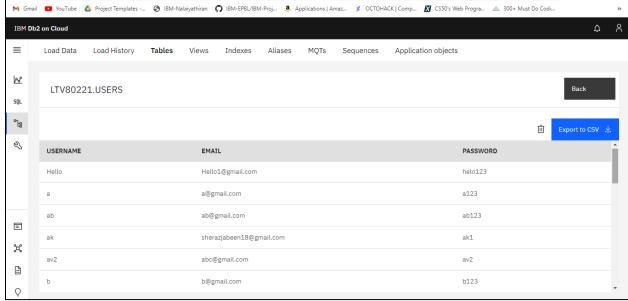
CREATE DB2 AND CONNECT PYTHON

Date	17 November 2022
Team ID	PNT2022TMID22341
Project Name	Smart Fashion Recommender Application

DATABASE IN IBMDB2:





PYTHON:

```
from flask import *
import ibm db
conn = ibm db.connect("DATABASE=bludb; HOSTNAME=3883e7e4-18f5-4afe-be8c-
fa31c41761d2.bs2io90l08kqb1od8lcg.databases.appdomain.cloud; PORT=31498;
SECURITY=SSL; SSLServerCertificate=DigiCertGlobalRootCA.crt; UID=ltv80221;
PWD=8fS5XCKIWaGcUCUW",'','')
app = Flask(__name___)
@app.route('/register')
def register():
    return render_template('register.html')
@app.route('/addrec',methods = ['POST', 'GET'])
def addrec():
 msg = ' '
 if request.method == 'POST':
    username = request.form['username']
    email = request.form['email']
    password = request.form['password']
    sql = "SELECT * FROM users WHERE email =?"
    stmt = ibm_db.prepare(conn, sql)
    ibm db.bind param(stmt,1,email)
    ibm db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)
    if account:
      msg = 'Account already exists !'
    elif not username or not password or not email:
      msg = 'Please fill the Missing Details !'
    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 = 'Account created successfully '
```

```
from_email = Email("praba3043@gmail.com")
      to email = To(email)
      subject = "Thank You For Registration"
      content = Content("text/plain", "Welcome to our S-Mart App")
      mail = Mail(from_email, to_email, subject, content)
      response = sg.client.mail.send.post(request_body=mail.get())
      print(response.status code)
      print(response.body)
      print(response.headers)
      return render_template('login.html',msg=msg)
  return render template('register.html',msg=msg)
@app.route('/login')
def login():
  return render_template('login.html')
@app.route('/checkrec',methods = ['POST', 'GET'])
def checkrec():
 msg = ' '
 if request.method == 'POST':
    email = request.form['email']
    password = request.form['password']
    sql = "SELECT * FROM users WHERE Email =?"
    stmt = ibm_db.prepare(conn, sql)
    ibm db.bind param(stmt,1,email)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_both(stmt)
    accounts=account
    if (account):
      if(password == accounts['PASSWORD']):
        msg = 'Logged in successfully !'
        return render_template('index.html',msg=msg)
      else :
        msg='Wrong Credentials'
  return render template('login.html',msg=msg)
```