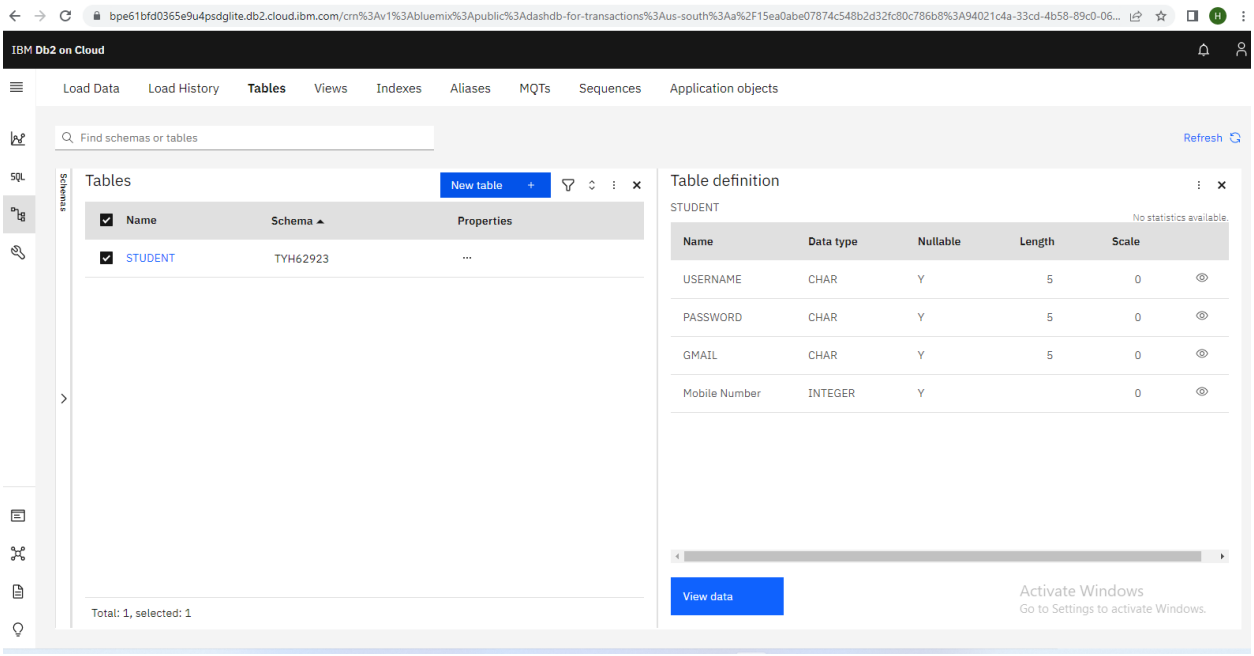
Create IBM DB2 And Connect With Python

Team id	PNT2022TMID13258
Project Name	Smart Fashion Recommender Application




```
from flask import Flask,render_template,request,session
import ibm_db
import re
app = Flask(__name__)
app.secret_key = 'a'

conn = ibm_db.connect("DATABASE=bluedb;HOSTNAME=fbd88901-ebdb-4a4f-a32e-9822b9fb237b.clogj3sd0tgtu01qde00.databases.appdomain.cloud;PORT=32731;SECURITY=SSL;SSLSERVERCERTIFICATE=DigiCertGlobalRootCA
@app.route('/')
def homer():
    return render_template('home.html')
@app.route('/login',methods = ['GET','POST'])
def login():

if request.method == 'POST' :
username = request.form['username'] password =
request.form['password'] sql = "SELECT * FROM users WHEREusername =? 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'] msg = 'Logged in succesfully !'

msg = 'Logged in successfully!'
return render_template('dashboard.html',msg = msg)
else:
msg = 'Incorrect username / password'
return render_template('login.html', msg = msg)
@app.route('/register', 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!'
else:
insert_sql = "INSERT INTO users VALUES (?,?,?)"
prep_stmt = ibm_db.prepare(conn, insert_sql)
ibm_db.bind_param(prep_stmt,1,username)
```

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'Please fill out the form !'
return render_template('register.html', msg = msg)
@app.route('/dashboard')
def dash():
return render_tempplate('dashboard.html')
@app.route('/apply',method =['GET', 'POST'])
def apply(): msg = '' if request.method == 'POST' :
username = request.form['username'] email=
request.form['email'] qualification=
request.form['qualification'] skills =
request.form['skills'] jobs = request.form['s']
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 = 'there is only 1 job position for you'
return render_template('apply.html', msg = msg)
insert_sql = "INSERT INTO job 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, qualification)
ibm_db.bind_param(prep_stmt, 4, skills)
ibm_db.bind_param(prep_stmt, 5, jobs)
ibm_db.execute(prep_stmt)
msg = 'You have successfully applied for job !'
session['Loggedin'] = True
TEXT = "Hello, a new application for job position" +jobs+"is requested"
elif request.method == 'POST' : msg = 'Please fill out the form !'
return render_template('register.html', msg = msg)
@app.route('/display')
def display():
print(session["usename"],session[id])
cursor=mysql.connection.cursor() cursor,execute('selet*from job where userid = 5 s',(session['id'],)) account=cursor.fetchone()
print("accountdisplay",account) return
render_template('display.html',account=account)
@app.route('/logout')
def logout():
session.pop('loggedin',None)
session.pop('id',None)
session.pop('username',None) return
render_template('home.html')
if
__name__=='__main__':
app.run(host='0.0.0.0')
```


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