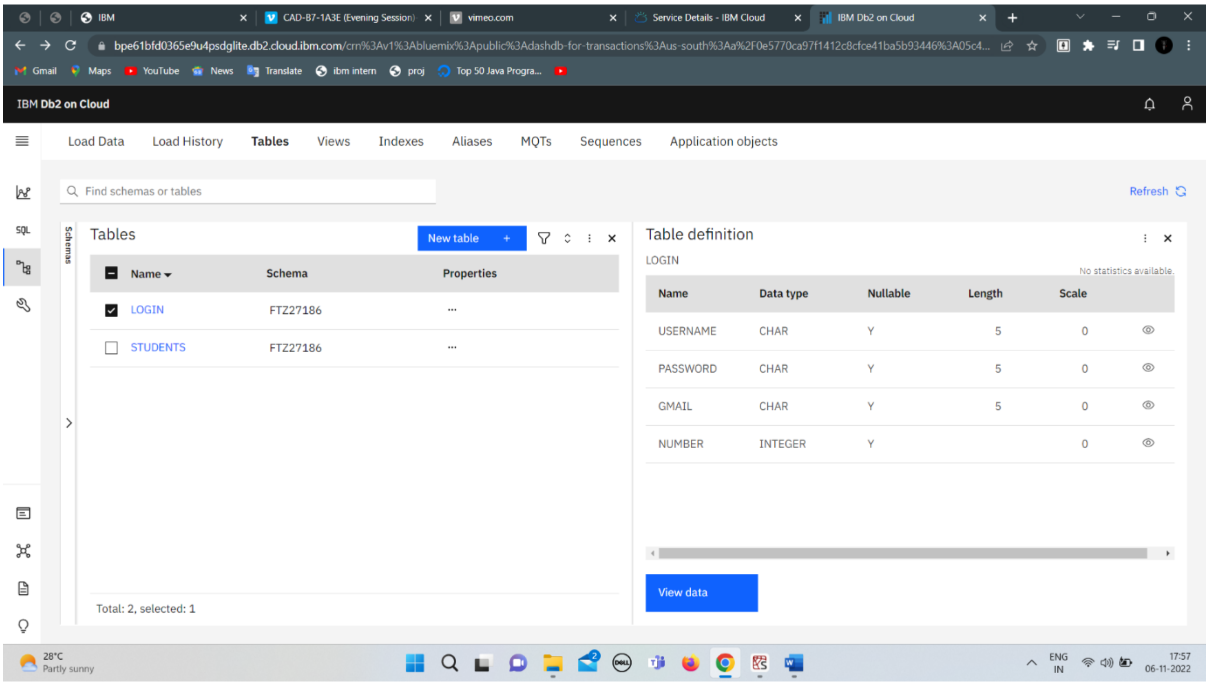
Team ID	PNT2022TMID40995
Project Name	Plasma Donor Application

Create the IBM Db2 service in the IBM cloud and connect the python code with DB.



Tables

☐	Name	Schema	Properties
☑	LOGIN	FTZ27186	...
☐	STUDENTS	FTZ27186	...

Total: 2, selected: 1

Table definition

LOGIN

No statistics available.

Name	Data type	Nullable	Length	Scale
USERNAME	CHAR	Y	5	0
PASSWORD	CHAR	Y	5	0
GMAIL	CHAR	Y	5	0
NUMBER	INTEGER	Y		0

App.py

```
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.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32731;SECURITY=SSL;SSLSERVERCERTIFICATE=DigiCertGlobalRootCA.crt;UID=ftz27186;PWD=pwV52WSdXDAHVnLP",'','')
@app.route('/')
def homer():
    return render_template('home.html')
@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 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)
        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)
ibm_db.bind_param(prep_stmt,2,email)
ibm_db.bind_param(prep_stmt,3,password)
ibm_db.execute(prep-stmt)
msg = 'You have sucsessfullyregistered !'
```

```
elifrequest.method == 'POST' :
msg = '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"
elifrequest.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')
```