IMPLEMENTING WEB APPLICATION
Create IBM DB2 and Connect with Python

DATE	21/11/2022
Team ID	PNT2022TMID46361
Project Name	Project-Inventory Management for Retailers

Code:

```python
from flask import Flask,render_template, request, redirect, url_for, session

import ibm_db
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=1bbf73c5-d84a-4bb0-85b9-
ab1a4348f4a4.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=
32286;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=njl44200;PWD
=4txG25Bx3uVKEQVg",",")
app = Flask(__name__)

@app.route("/")
def log():
    return render_template('signup.html')

@app.route("/signin")
def signin():
    return render_template('signin.html')

@app.route('/register',methods = ['POST', 'GET'])
def register():
    if request.method == 'POST':

        name = request.form['name']
        mail = request.form['mail']
        pwd = request.form['pwd']
        cpwd = request.form['cpwd']

        sql = "SELECT * FROM register WHERE mail =?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt,1,mail)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)

        if account:
            return render_template('register.html', msg="You are already a member, please login using
your details")
        else:
            insert_sql = "INSERT INTO register VALUES (?,?,?,?)"
            prep_stmt = ibm_db.prepare(conn, insert_sql)
```

```python
      ibm_db.bind_param(prep_stmt, 1, name)
      ibm_db.bind_param(prep_stmt, 2, mail)
      ibm_db.bind_param(prep_stmt, 3, pwd)
      ibm_db.bind_param(prep_stmt, 4, cpwd)
      ibm_db.execute(prep_stmt)

      return render_template('home.html', msg="Data saved successfuly..Please login using your
details")

@app.route('/login',methods=['POST'])
def login():
  mail=request.form['mail']
  pwd=request.form['pwd']
  sql = "SELECT * FROM register WHERE mail =? AND pwd=?"
  stmt = ibm_db.prepare(conn, sql)
  ibm_db.bind_param(stmt,1,mail)
  ibm_db.bind_param(stmt,2,pwd)
  ibm_db.execute(stmt)
  account = ibm_db.fetch_assoc(stmt)
  if account:
    #return redirect(url_for('home'))
    return render_template('homepage.html', pred="login")
  else:
    return render_template('register.html', pred="Login unsuccessful. Incorrect username /
password !")
```

Output:

Overview   In-flight executions   Connections   Table performance

Resource usage

Last 1 hour ⌄

15% Storage (30M / 200M)
current value

Storage usage (%)

100
80
60
40
20
0

01:48 PM   02:00 PM   02:20 PM   02:40 PM   02:48 PM

Time