IBM DB 2 Creation

Date	18 November 2022
Team ID	PNT2022TMID18585
Project Name	Project – Global Sales Data Analytics
Maximum Marks	4 Marks

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


                app = Flask(_name_)


                hostname = '2f3279a5-73d1-4859-88f0-
                a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud'
                uid = 'hmf80902'
                pwd = 'oHzpnV88erkd09'
                driver = "{IBM DB2 ODBC DRIVER}"
                db_name = 'bludb'
                port = '30756'
                protocol = 'TCPIP'
                cert = "C:/Users/Prithiarun/Desktop/IBM/TEST/certi.crt"
                dsn = (
                    "DATABASE ={0};"
                    "HOSTNAME ={1};"
                    "PORT ={2};"
                    "UID ={3};"
                    "SECURITY=SSL;"
                    "PROTOCOL={4};"
```

```python
        "PWD ={6};"
).format(db_name, hostname, port, uid, protocol, cert, pwd)
connection = ibm_db.connect(dsn, "", "")
print(dsn)
# query = "SELECT username FROM USER1 WHERE username=?"
# stmt = ibm_db.prepare(connection, query)
# ibm_db.bind_param(stmt, 1, username)
# ibm_db.execute(stmt)
# username = ibm_db.fetch_assoc(stmt)
# print(username)
try:
    conn = ibm_db.connect(dsn,"", "")
    print("connected to database")
except:
    print("unable to connect")
server = ibm_db.server_info(conn)
print("DBSNAME: ", server.DBMS_NAME)
print("DBMS_VER: ", server.DBMS_VER)
print("DBNAME: ", server.DB_NAME)


app.secret_key = 'a'




@app.route('/', methods=['GET', 'POST'])
@app.route('/register', methods=['GET', 'POST'])
def register():
    msg = " "
    if request.method == 'POST':
        username = request.form['username']
        email_id = request.form['email_id']
        phone_no = request.form['phone_no']
        password = request.form['password']
        query = "SELECT * FROM USER1 WHERE username=?;"
        stmt = ibm_db.prepare(connection, query)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        if (account):
```

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            msg = "Account already exists!"
            return render_template('register.html', msg=msg)
        # elif not re.match(r'[^@]+@[^@]+\.[^@]+', email_id):
        #     msg = "Invalid email addres"
        # elif not re.match(r'[A-Za-z0-9+', username):
        #     msg = "Name must contain only characters and numbers"
        else:
            query = "INSERT INTO USER1 values(?,?,?,?)"
            stmt = ibm_db.prepare(connection, query)
            ibm_db.bind_param(stmt, 1, username)
            ibm_db.bind_param(stmt, 2, email_id)
            ibm_db.bind_param(stmt, 3, phone_no)
            ibm_db.bind_param(stmt, 4, password)
            ibm_db.execute(stmt)
            msg = 'You have successfully Logged In!!'
            return render_template('login.html', msg=msg)
    else:
        msg = 'PLEASE FILL OUT OF THE FORM'
        return render_template('register.html', msg=msg)




@app.route('/login', methods=['GET', 'POST'])
def login():
    global userid
    msg = ' '
    if request.method == "POST":
        username = request.form['username']
        password = request.form['password']
        query = "select * from user1 where username=? and password=?"
        stmt = ibm_db.prepare(connection, query)
        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']
            session['username'] = account['USERNAME']
            msg = 'Logged in Successfully'
```

```python
            return render_template('welcome.html', msg=msg,
username=str.upper(username))
        else:
            msg = 'Incorrect Username or Password'
            return render_template('login.html', msg=msg)
    else:
        msg = 'PLEASE FILL OUT OF THE FORM'
        return render_template('login.html', msg=msg)




@app.route('/welcome', methods=['GET', 'POST'])
def welcome():
    if request.method == 'POST':
        username = request.form['username']
        print(username)
        return render_template('welcome.html', username=username)
    else:
        return render_template('welcome.html', username=username)




if "main" == _name_:
    app.run()
```