

IBM DB 2 Creation

Date	17 November 2022
Team ID	PNT2022TMID45551
Project Name	Project – Global Sales Data Analytics
Maximum Marks	4 Marks

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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};"
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        "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)

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app.secret_key = 'a'

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@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 address"
# 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)

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@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'

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        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()
```