

PROJECT TEAM ID: PNT2022TMID01297

IBM DB CREATION

```
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};"
```

```
    "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):

            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'
            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()

```