

DB2 connect Python

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Project Name	Skill and Job REcommender
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```
import ibm_db
```

```
dictionary={}
```

```
def printTableData(conn): sql
```

```
    = "SELECT * FROM
```

```
userdetails"
```

```
    out = ibm_db.exec_immediate(conn, sql)
```

```
    document =
```

```
ibm_db.fetch_assoc(out) while
```

```
    document != False:
```

```
dictionary.update({ document['USERNAME']:document['PASSWORD']})
```

```
    document =
```

```
ibm_db.fetch_assoc(out)
```

```
def insertTableData(conn,rollno,username,email,password):
```

```
sql="INSERT INTO userdetails(rollno,username,email,password) VALUES
```

```
(({'','{}','{}','{}')).format(rollno,username,email,password)
```

```
    out =
```

```
ibm_db.exec_immediate(conn,sql)
```

```
    print('Number of affected rows :
```

```
',ibm_db.num_rows(out),"n")
```

```
def updateTableData(conn,rollno,username,email,password):
```

```
    sql = "UPDATE userdetails SET
```

```
(username,email,password)=({'','{}','{}','{}') WHERE
```

```
rollno={}".format(username,email,password,rollno)
```

```
    out = ibm_db.exec_immediate(conn,
```

```
sql)
```

```
    print('Number of affected rows : ', ibm_db.num_rows(out), "n")
```

```
def deleteTableData(conn,rollno):
```

```
    sql = "DELETE FROM userdetails WHERE
```

```
rollno={}".format(rollno)
```

```
    out = ibm_db.exec_immediate(conn, sql)
```

```
    print('Number
```

```
of affected rows : ', ibm_db.num_rows(out), "n") try:
```

```
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=0c77d6f2-5da9-48a9-81f8-86b520b87518.bs2io90108kqb1od8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID=bjn03696;PWD=ef96tLJX2VjzaCPX;", "",
```

```
    print("Db connected")
```

```
except:
```

```
print("Error")
```

```
from flask import
```

```
Flask,render_template,request,url_for,session
```

```
app=Flask(_name_)
@app.route("/")
```

```
@app.route("/login",methods=['POST','GET']) def
login():
    if
request.method=="POST":
    printTableData(conn)
```

```
username=request.form['username']
password=request.form['password'] try:
```

```
    if dictionary[username] == password        and username in dictionary:
```

```

return "Logged in successfully" except:
    return "Invalid
username or password"
    return
render_template('loginpage.html')

@app.route("/register",methods=['POST','GET']) def
register():
    if request.method=="POST":
        rollno =
request.form['rollno']
        username = request.form['username'] email
        =
request.form['email']
        password = request.form['password']

insertTableData(conn, rollno, username, email, password) return
render_template('loginpage.html')
    return render_template('registerpage.html')

if
_name_=="_main_":

app.run(debug=True)q
late,request,url_for,session
app=Flask(_name_)
@app.route("/")&quo
t;) @app.route("/login",methods=['POST','GET']) def
login():
    if
request.method=="POST":
        printTableData(conn)

username=request.form['username']
password=request.form['password'] try:

    if dictionary[username] == password        and username in dictionary:

return "Logged in successfully"
except:
    return "Invalid
username or password"
    return render_template('log

```