To Connect IBM DB2 with Python

Topic	To Connect IBM DB2 with Python
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Project Name	Smart Fashion Recommender

```python
    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):
```

```python
    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.bs2io90l
08kqb1od8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertif
icate=DigiCertGlo
balRootCA.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']
```

```python
    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')
```