Create IBM DB2 And Connect With Python

```python
import ibm_db

dictionary={}
def
    printTableData(co
    nn):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,pas
sword):
    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
```

```python
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.bs2io90l
08kqb1od8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertifi
cate=Dig iCertGlo
balRootCA.crt;PROTOCOL=TCPIP;UID=bjn03696;PWD=ef96tLJX2VjzaCPX;", "",
"")

    print("Db connected")

except:

print("Error")



from flask import
Flask,render_template,request,url_for,s
ession 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['passwo
        rd'] try:
```

```python
        if dictionary[username] == password  and username in dictionary:
return "Logged in
        successfully"
        except:
            return
"Invalidusername or
password"
    return
render_template('loginpage.html')
```

```python
@app.route("/register",methods=['POST','GET'])

def register():
    if
        request.method=="P
        OST":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,se

ssion 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']
```

```python
        password=request.form['passwo
    rd'] try:

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

return "Logged in

    successfully"

    except:

        return
"Invalidusername or
password"
    return render_template('log')
```