

Create IBM DB2 And Connect With Python

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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.bs2io90l
08kqb1od8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertificate=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,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')
```