

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.bs2io90108kqblod8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertificate=Dig iCertGlobalRootCA.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')

```