

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('Numberof
    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.bs2io901
08
kqblod8lcg.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("/&quot;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')
```

