

Date	22 November 2022
Team ID	PNT2022TMID30144

## Create IBM DB2 And Connect With 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,pas
sword) out = ibm_db.exec_immediate(conn,sql)
print('Number of affected rows :
',ibm_db.num_rows(out),"\\n")

def
updateTableData(conn,rollno,username,email,pass
word):

    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")

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of affected rows : ', ibm_db.num_rows(out), "\n")

try:
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=0c77d6f2-5da9-48a9-81f8-
86b520b87518.bs2io901
08kqblod8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertifica
te=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,sess
ion 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,sess
ion app=Flask(__name__)
@app.route("/")&quot; t;)
@app.route("/login",methods=['POST','GE
T']) 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')
```

