Create IBM DB2 And Connect With Python

Date	07 NOV 2022
Team ID	PNT2022TMID45006
Project ID	CUSTOMER CARE REGISTRY

```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,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
```

```python
,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"
```

```python
        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')
```