

## Python Code to connect with DB2

Team ID	PNT2022TMID38088
Project Name	Personal Expense Tracker Application

```
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=2f3279a5-73d1-4859-88f0-
a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30756;Security=
SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=ctb99199;PWD=GybYxLw1rH
z86oSh;","","")

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:

```