

## The python code to Connect with DB

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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']:documen t['PASSWORD']})
    document = ibm_db.fetch_assoc(out)
def
insertTableData(conn,rollno,username,email,pass word):
    sql="INSERT INTO
    userdetails(rollno,username,email,password) VALUES
    ({},'{}','{}','{}')".format(rollno,username,ema il,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=0c
77d6f2-5da9-48a9-81f8-86b520b87518.bs2io90l
08kqb1od8lcg.databases.appdomain.cloud;PORT=311
98;SECURITY=SSL;SSLServerCertificate=DigiCertGl o
balRootCA.crt;PROTOCOL=TCPIP;UID=bjn03696;PWD=e
f96tLJX2VjzaCPX;", "",
"")
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:
```