

Implementing web Application

Create IBM DB2 & 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,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):
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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.bs2io90l
08kqb1od8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLS
erverCertificate=Dig
iCertGlo
balRootCA.crt;PROTOCOL=TCPIP;UID=bjn03696;PWD=ef96tLJX2VjzaCPX;",
"", "")
print("Db connected")
except:

```

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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']

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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')