

# IMPLEMENTING WEB APPLICATION

<b>ASSIGNMENT</b>	<b>16 NOVEMBER 2022</b>
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## 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['PASSW
    ORD']})
    document =
    ibm_db.fetch_assoc(out)

def
insertTableData(conn,rollno,username,email,password):
    sql="INSERT INTO
    userdetails(rollno,username,email,password) VALUES
```

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({},{},'{}','{}','{}')".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=0c77d6f2-
5da9-48a9-81f8-86b520b87518.bs2io901
08kqblod8lcg.databases.appdomain.cloud;PORT=31198;SECUR
ITY=SSL;SSLServerCertificate=DigiCertGlo
balRootCA.crt;PROTOCOL=TCPIP;UID=bjn03696;PWD=ef96tLJX2
VjzaCPX;", "",
"")
print("Db connected")
except:
print("Error")

from flask import
Flask,render_template,request,url_for,session
app=Flask(__name__)
@app.route("/")

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@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,session
app=Flask(__name__)
@app.route("/&quo

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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')
```