

Project Name	Plasma Donor Application
Team ID	PNT2022TMID23657

Create IBM DB2 And Connect With Python

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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=0c77d6f2-5da9-48a9-81f8-
86b520b87518.bs2io901

```

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08kqblod8lclg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;PROTOCOL=TCP;UID=bjn03696;PWD=ef96tLJX2VjzaCPX;",
"", "")
print("Db connected")

except:

print("Error")


from flask import
Flask,render_template,request,url_for,session
ion 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']
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,sess
ion app=Flask(_name_)
@app.route("/&quo t;)
@app.route("/login",methods=['POST','GE
T']) 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')

```

