

Project Name	Plasma Donor Application
Team ID	PNT2022TMID24849

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)
rd)
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
=
"DEL
ETE
FROM

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WHERE
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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;SECURITY=SSL;SSLServerCertificat
e=Dig iCertGlo balRootCA.crt;PROTOCOL=TCPIP;UID=bjn03696;PWD=ef96tLJX2VjzaCPX;",
"", "")
    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:

                return "Logged in successfully"

```

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        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,sessi
on app=Flask( name )
@app.route("/&quot; 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')

```

