

Project Name	Plasma Donor Appilcation
Team Id	PNT2022TMID24834

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['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.bs2io90l
08kqb1od8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertificate=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" 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
```

```
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')

