Project Name	Plasma Donor Application
Team ID	PNT2022TMID49346

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’)
```