

Date	16/11/2022
Team ID	PNT2022TMID18844

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.bs2io901
08kqblod8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertificate=Dig
iCertGlobalRootCA.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')
```

