

Create IBM DB2 and Connect with python

Team ID	PNT2022TMID30875
Project Name	Smart Fashion Recommender Application

Program:

```
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):
```

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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
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():

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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

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late,request,url_for,session
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')
```