Date	11/11/2022
Project Name	Smart Fashion Recommender Application
Team ID	PNT2022TMID39256

Create IBM DB2 And Connect With Python

```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 WHERErollno={}".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")
```

```python
        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')
```

```python
@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')
```