

Date	16 November 2022
Team ID	PNT2022TMID44299
Project Name	Smart Fashion Recommender Application
Batch Number	B8-2A4E

IBM db2 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):

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-
81f886b520b87518.bs2io90l

08kqb1od8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertifi
cate=DigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID=bjn03696;PWD=ef96tLJX2VjzaCPX;", "",
"") print("Db connected")
except:

print("Error")
```

Connect db2 to python:

```
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')
```