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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
08kqblod8lclg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertificate=DigiCertGlo
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')

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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
```