M.KUMARASAMY
COLLEGE OF ENGINEERING
NAAC Accredited Autonomous Institution
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ISO 9001:2015 & ISO 14001:2015 Certified Institution

Thalavapalayam, Karur – 639 113.

ASSIGNMENT - II

Assignment Questions:

1. Create User table with user with email, username, roll number, password.

2. Perform UPDATE, DELETE Queries with user table

3. Connect python code to db2.

4. Create a flask app with registration page, login page and welcome page. By default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password. If the user is valid show the welcome page.

Assignment - II

Assignment2.py

```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,username):
    sql = "DELETE FROM userdetails WHERE username={}".format(username)
    out = ibm_db.exec_immediate(conn, sql)
```

```python
    print('Number of affected rows : ', ibm_db.num_rows(out), "\n")


try:
    conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=ba99a9e6-d59e-4883-8fc0-
d6a8c9f7a08f.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=31321;SECURITY
=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID=cll3376
1;PWD=JHRHpRtT82zDR0z6;", "", "")
    print("Db connected")


except:
    print("Error")




from flask import *
app=Flask(__name__)


@app.route("/")
@app.route("/login",methods=['POST','GET'])
def login(pbkdf2_sha256=None):
    if request.method=="POST":
        printTableData(conn)
        username=request.form['username']
        password=request.form['password']
        if dictionary[username] == password:
            return render_template('user.html',uname=username)
    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)
        #printTableData(conn)
        return render_template('loginpage.html')
    return render_template('registerpage.html')
@app.route("/delected")
def delected():

    return render_template('delectuser.html')
@app.route("/logout")
def logout():
    return redirect(url_for('login'))


#printTableData(conn)
#print(dictionary)



if __name__=="__main__":
    app.run(debug=True)
```

Loginpage.html

```html
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

    <title>Login Page</title>

    <style type="text/css">

      body{

        background-color: #EAF6F6;

      }


<!--      .msg,.login{-->

<!--         text-align: center;-->

<!--         margin-top: 25px;-->

<!--         margin-bottom:25px;-->

<!--      }-->
```

```
    form{
      width: 30%;
    }
    .center {
      position: absolute;
      left: 0;
      right: 0;
      margin: auto;
    }
  </style>
</head>
<body>
  <nav class="h1 navbar navbar-light p-3 mb-2 bg-primary text-white justify-content-
between">
    <a class="navbar-brand">Login Page</a>
  </nav>
  <br>
  <br>
  <form action="/login" method="POST" class="center">
    <div class="form-group">
      <label for="exampleInputEmail1">User Name</label>
      <input type="text" name="username" class="form-control"
id="exampleInputEmail1" placeholder="Enter Username">
    </div>
    <div class="form-group">
      <label for="exampleInputPassword1">Password</label>
      <input type="password" name="password" class="form-control"
id="exampleInputPassword1" placeholder="Password">
```

```html
    </div>
    <div>
      New User ? Click to <a href="{{url_for('register')}}">Sign-Up</a>
    </div>
    <br>
    <button type="submit" class="btn btn-primary">Submit</button>
  </form>


</body>
</html>
```

Registerpage.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-
KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN
" crossorigin="anonymous"></script>
  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
```

```html
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
  <title>Register page</title>
 <style type="text/css">
    body{
       background-color: #EAF6F6;
    }
    .msg,.login{
       text-align: center;
       margin-top: 25px;
       margin-bottom:25px;
    }


    form{
       width: 30%;
    }
    .center {
      position: absolute;
      left: 0;
      right: 0;
      margin: auto;
    }
  </style>
</head>
<body>
 <nav class="h1 navbar navbar-light p-3 mb-2 bg-primary text-white justify-content-
between">
    <a class="navbar-brand">Register Page</a>
```

```html
  </nav>
  <form action="/register" method="POST" class="center">
      <div class="form-group">
          <label for="exampleInputUsername">Roll Number</label>
          <input type="number" name="rollno" class="form-control"
id="exampleInputRollNo" aria-describedby="emailHelp" placeholder="Enter Roll
Number">
      </div>
      <div class="form-group">
          <label for="exampleInputUsername">User Name</label>
          <input type="text" name="username" class="form-control"
id="exampleInputUsername" aria-describedby="emailHelp" placeholder="Enter
Username">
      </div>
      <div class="form-group">
          <label for="exampleInputEmail">Email</label>
          <input type="text" name="email" class="form-control" id="exampleInputEmail"
aria-describedby="emailHelp" placeholder="Enter Username">
      </div>
      <div class="form-group">
          <label for="exampleInputPassword">Password</label>
          <input type="password" name="password" class="form-control"
id="exampleInputPassword" placeholder="Password">
      </div>
      <div>
          Already a User ? Click to <a href="{{url_for('login')}}">Login</a>
      </div>
      <br>
      <button type="submit" class="btn btn-primary">Submit</button>
  </form>
```

```
  </body>
</html>
```

User.html

```html
<html>
  <head>
    <title>User Page</title>
    <link rel="stylesheet" href="{{url_for('static',filename='css/bootstrap.min.css')}}">
    <script src="{{url_for('static',filename='js/jquery.min.js')}}"></script>
  </head>
  <body>
    <div class="container">
      <div class="col-md-5">
        <h3 class="page-header text-info">User Page</h3>
        <h3 ><marquee behavior="scroll" direction="left">Welcome
{{uname}}</marquee></h3><hr>
        <h4> <a href="{{url_for('delete')}}">Delete</h4>
        <h4><a href="{{url_for('logout')}}">Logout</a></h4>
      </div>
    </div>
  </body>
</html>
```
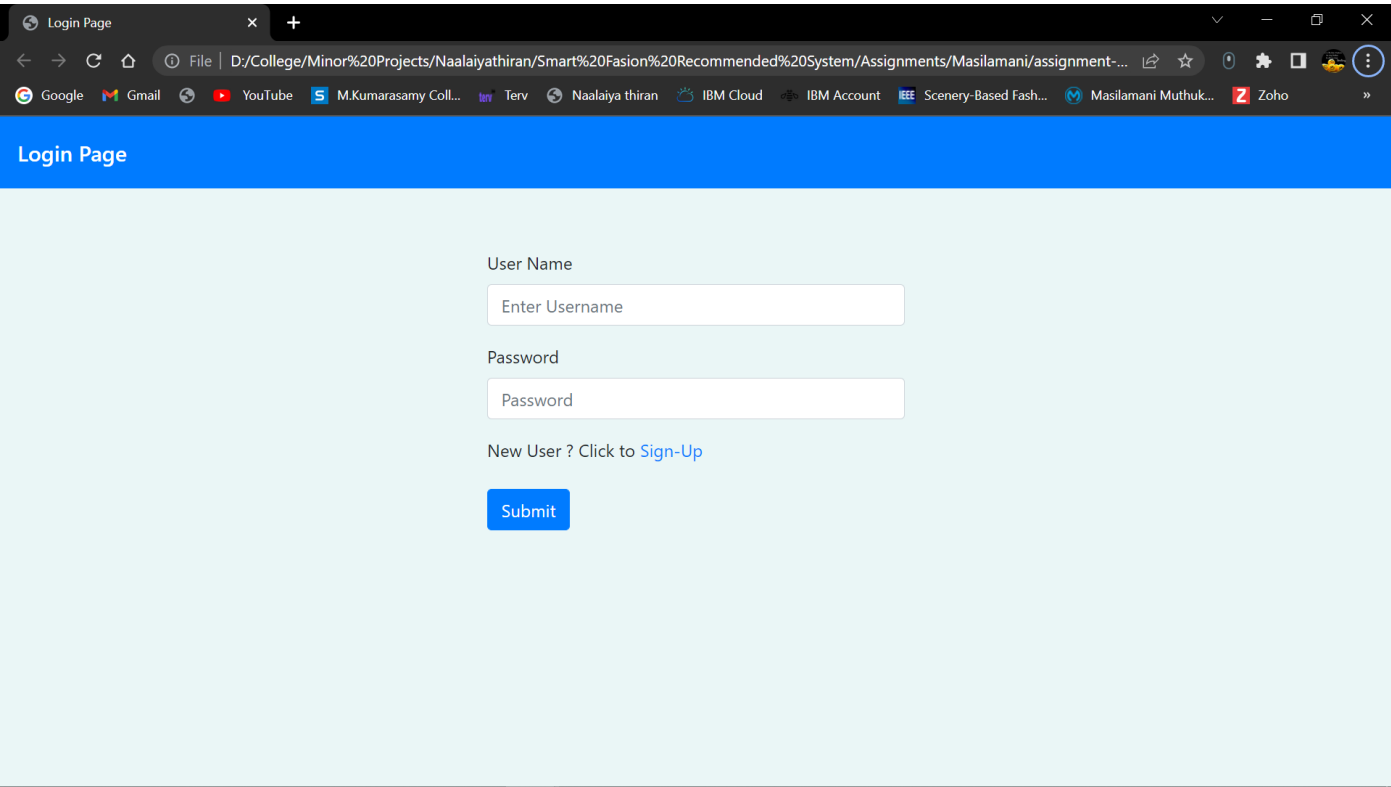
Output Screenshot:
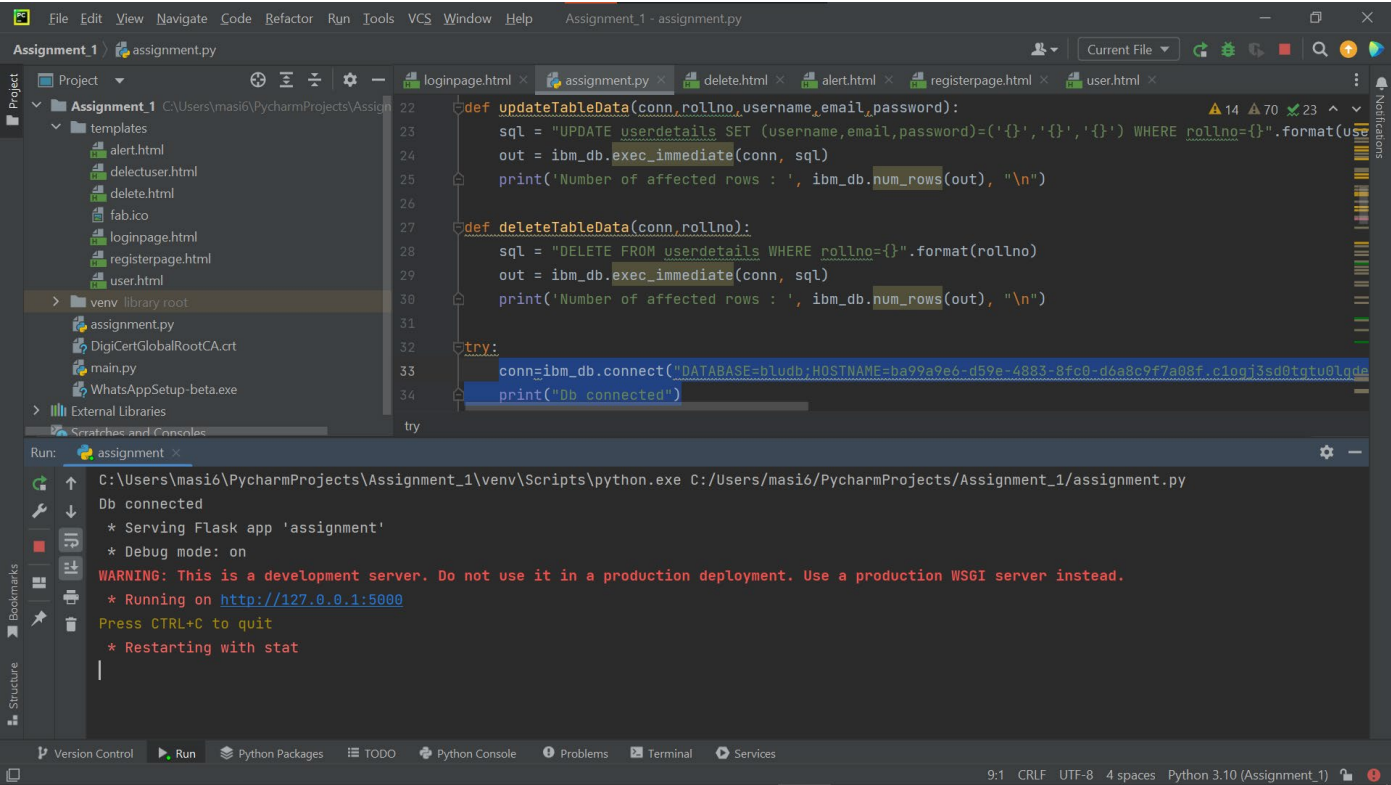
File | D:/College/Minor%20Projects/Naalaiyathiran/Smart%20Fasion%20Recommended%20System/Assignments/Masilamani/assignment-...

Google · Gmail · YouTube · M.Kumarasamy Coll... · Terv · Naalaiya thiran · IBM Cloud · IBM Account · Scenery-Based Fash... · Masilamani Muthuk... · Zoho

Register Page

Roll Number

Enter Roll Number

User Name

Enter Username

Email

Enter Username

Password

Password

Already a User ? Click to Login

Submit

127.0.0.1:5000/login

Google · Gmail · YouTube · M.Kumarasamy Coll... · Terv · Naalaiya thiran · IBM Cloud · IBM Account · Scenery-Based Fash... · Masilamani Muthuk... · Zoho

User Page

Welcome Masilamani

Delete

Logout