**ASSIGNMENT 2**

1)

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)

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=cll33761;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')

@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)

**2)TABLE CREATION:**

create table userdetails

(uid integer unique not null GENERATED ALWAYS AS IDENTITY (START WITH 1 INCREMENT BY 1),

rollno integer unique not null,

username varchar(30) unique not null,

email varchar(40) unique not null,

password varchar(8) unique not null

)

**3)LOGIN PAGE:**

<!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">

</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>

**REGISTRATION PAGE:**

<!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>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>

</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>