**ASSIGNMENT 2**

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

**Program;**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8" />**

**<meta http-equiv="X-UA-Compatible" content="IE=edge" />**

**<meta name="viewport" content="width=device-width, initial-scale=1.0" />**

**<title>Login</title>**

**<link**

**href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css"**

**rel="stylesheet"**

**integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"**

**crossorigin="anonymous"**

**/>**

**</head>**

**<body class="px-4 py-3">**

**<nav class="navbar navbar-expand-lg navbar-light bg-light">**

**<a class="navbar-brand" href="#">Flask</a>**

**<button**

**class="navbar-toggler"**

**type="button"**

**data-toggle="collapse"**

**data-target="#navbarNavAltMarkup"**

**aria-controls="navbarNavAltMarkup"**

**aria-expanded="false"**

**aria-label="Toggle navigation"**

**>**

**<span class="navbar-toggler-icon"></span>**

**</button>**

**<div class="collapse navbar-collapse" id="navbarNavAltMarkup">**

**<div class="navbar-nav">**

**<a class="nav-item nav-link" href="/">Home </a>**

**<a class="nav-item nav-link" href="/about">About</a>**

**<a class="nav-item nav-link active" href="/login">Login</a>**

**<a class="nav-item nav-link" href="/register">Register</a>**

**</div>**

**</div>**

**</nav>**

**<h3>Login</h3>**

**<form>**

**<div class="form-group">**

**<label for="exampleInputEmail1">Email address</label>**

**<input**

**type="email"**

**class="form-control"**

**id="exampleInputEmail1"**

**aria-describedby="emailHelp"**

**placeholder="Enter email"**

**/>**

**</div>**

**<div class="form-group">**

**<label for="exampleInputPassword1">Password</label>**

**<input**

**type="password"**

**class="form-control"**

**id="exampleInputPassword1"**

**placeholder="Password"**

**/>**

**</div>**

**<div class="form-check">**

**<input type="checkbox" class="form-check-input" id="exampleCheck1" />**

**<label class="form-check-label" for="exampleCheck1">Check me out</label>**

**</div>**

**<button type="submit" class="btn btn-primary">Submit</button>**

**</form>**

**</body>**

**</html>**

**2. Perform UPDATE,DELETE Queries with user table**

**UPDATE;**

UPDATE tableName

SET column1=value1, column2=value2,...

WHERE filterColumn=filterValue

**DELETE**

DELETE tableName

WHERE  filterColumn=filterValue;

3. Connect python code to db2.

query\_str = "SELECT COUNT(\*) FROM table\_name"

conn = ibm\_db.pconnect("dsn=write","usrname","secret")

query\_stmt = ibm\_db.prepare(conn, query\_str)

ibm\_db.execute(query\_stmt)

**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**

**from flask import Flask,render\_template**

**app = Flask(\_name\_)**

**@app.route("/")**

**def hello\_world():**

**return render\_template('home.html', name="Home")**

**@app.route("/about")**

**def about():**

**return render\_template('about.html', name="About")**

**@app.route("/login")**

**def login():**

**return render\_template('login.html', name="Login")**

**@app.route("/register")**

**def register():**

**return render\_template('register.html', name="Register")**

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**</div>**

**</nav>**

**<h1>Home Page</h1>**

**</body>**