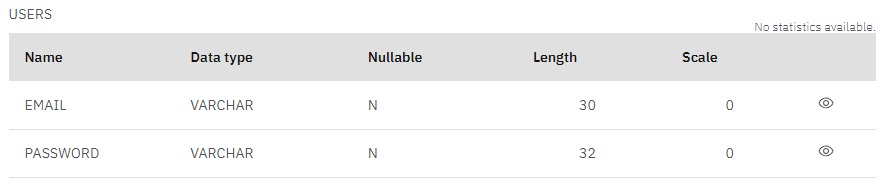
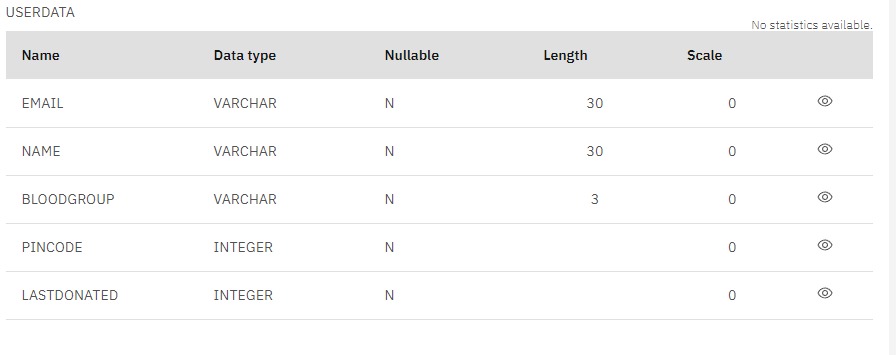
**ASSIGNMENT 2**

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

****

3. Connect python code to db2.

conn = ibm\_db.connect("DATABASE=bludb;HOSTNAME=paste your host id;PORT=30875;SECURITY=SSL;SSLServerCertificate=paste your certificate;UID=xpl08937;PWD=paste your pwd;", '', '')

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

LOGIN.HTML:

<html>

<head>

<title>Login</title>

<link rel="stylesheet" href="/static/css/login.css" />

</head>

<body>

<div class="topnav" id="myTopnav">

<a href="/register">Register</a>

<a href="/login">Login</a>

<!-- <a href="about.html">About</a> -->

</div>

<div class="login" style="text-align: center">

<h1 class="fact">Be the reason for someone's heartbeat</h1>

<br />

<form class="login-page" method="post">

<h1>Login</h1>

<input type="text" placeholder="Email" name="email" /><br /><br />

<input

type="password"

placeholder="password"

name="password"

/><br /><br />

<input type="submit" class="submit" value="Login" />

</form>

</div>

</body>

</html>

REGISTRATION.HTML:

<html>

<head>

<title>registration</title>

<link rel="stylesheet" href="/static/css/register.css" />

</head>

<!-- <script

src="https://code.jquery.com/jquery-3.3.1.js"

src="jquery.js"

integrity="sha256-2Kok7MbOyxpgUVvAk/HJ2jigOSYS2auK4Pfzbm7uH60="

crossorigin="anonymous">

</script>

<script>

$(function(){

$("#header").load("dashboard\_ori.html");

});

</script> -->

<body>

<div class="topnav" id="myTopnav">

<a href="/register">Register</a>

<a href="/login">Login</a>

<!-- <a href="about.html">About</a> -->

</div>

<!-- <header id="header"></header> -->

<!-- <h1 class="fact">Be the reason for someone's heartbeat</h1> -->

<div class="login" style="text-align: center">

<h1 class="fact">Be the reason for someone's heartbeat</h1>

<br />

{{resp}}

<form class="login-page" method="post">

<h1>Register</h1>

<input type="text" placeholder="Name" name="name" /><br />

<br />

<label>Bloood Group</label>

<select name="group" id="blood">

<option value="AP">A+</option>

<option value="AN">A-</option>

<option value="BP">B+</option>

<option value="BN">B-</option>

<option value="ABN">AB-</option>

<option value="ABP">AB+</option>

<option value="OP">O+</option>

<option value="ON">O-</option>

</select>

<br />

<input type="text" placeholder="Pincode" name="pincode" /><br />

<input

type="date"

placeholder="Last donated"

name="lastdonated"

/><br />

<input type="text" placeholder="Email" name="email" /><br />

<input

type="text"

placeholder="password"

name="password"

/><br />

<input type="submit" class="submit" value="Register" />

</form>

</div>

</body>

</html>

APP.PY:

@app.route("/login", methods=['POST', 'GET'])

def login():

    print(session.get('loggedin'))

    if session.get('loggedin')!=None:

        return redirect(url\_for('.dash'))

    if request.method == "POST":

        email = request.form['email']

        password = request.form['password']

        print(email)

        sql =  "SELECT email FROM Users WHERE email = ? AND password=?"

        stmt = ibm\_db.prepare(conn, sql)

        ibm\_db.bind\_param(stmt, 1, email)

        ibm\_db.bind\_param(stmt, 2, password)

        ibm\_db.execute(stmt)

        account = ibm\_db.fetch\_assoc(stmt)

        print("acc "+str(account))

        if account:

            print('login')

            session['loggedin'] = True

            session['id'] = account['EMAIL']

            sendMail(email,"login detected","login detected on some random device with ip"+request.remote\_addr)

            return redirect(url\_for('.dash'))

        else :

            return render\_template('login.html')

    else:

        return  render\_template('login.html')

@app.route('/register', methods=['GET', 'POST'])

def register():

    if request.method == 'POST':

        name=request.form.get('name')

        bloodGroup = request.form.get('group')

        pincode = request.form.get('pincode')

        print(name)

        email=request.form.get('email')

        password=request.form.get('password')

        date = request.form.get('lastdonated')

        dateSplit = date.split("-")

        lastdonated = datetime.datetime(int(dateSplit[0]), int(dateSplit[1]), int(dateSplit[2]), 0, 0, 0).timestamp()

        lastdonated = int(lastdonated)

        sql = "SELECT \* FROM users WHERE email = ?"

        stmt = ibm\_db.prepare(conn, sql)

        ibm\_db.bind\_param(stmt, 1, email)

        ibm\_db.execute(stmt)

        account=ibm\_db.fetch\_assoc(stmt)

        print(account)

        if account:

            msg="Account already exists!"

            return render\_template('register.html',resp=msg)

        if not re.match(r'\b[A-Za-z0-9.\_%+-]+@[A-Za-z0-9.-]+\.[A-Z|a-z]{2,}\b',str(email)): #1234@gmail.com

            msg = "Invalid email address" + str(email)

            return render\_template('register.html',resp=msg)

        if not (request.form.get('group') and  request.form.get('pincode') and request.form.get('lastdonated') and request.form.get('email') and request.form.get('name') and request.form.get('password')):

            msg = "fill all the fields"

            return render\_template('register.html',resp=msg)

        else:

            try:

                insert\_user\_table="INSERT INTO users VALUES ( ?, ?)"

                user\_create = ibm\_db.prepare(conn,insert\_user\_table)

                ibm\_db.bind\_param(user\_create, 1, email)

                ibm\_db.bind\_param(user\_create, 2, password)

                ibm\_db.execute(user\_create)

                insert\_userdata\_table = "INSERT INTO USERDATA VALUES (?,?,?,?,?)"

                user\_data\_create = ibm\_db.prepare(conn,insert\_userdata\_table)

                print(email,name,bloodGroup,pincode,lastdonated)

                ibm\_db.bind\_param(user\_data\_create, 1, email)

                ibm\_db.bind\_param(user\_data\_create, 2, name)

                ibm\_db.bind\_param(user\_data\_create, 3, bloodGroup)

                ibm\_db.bind\_param(user\_data\_create, 4, int(pincode))

                ibm\_db.bind\_param(user\_data\_create, 5, int(lastdonated))

                ibm\_db.execute(user\_data\_create)

                msg="You have successfully registered"

                # sendMail(email,"registered successfully",msg)

                print(msg)

            except:

                 render\_template('register.html',msg="error")

            return redirect(url\_for('.login'))

    return render\_template('register.html')