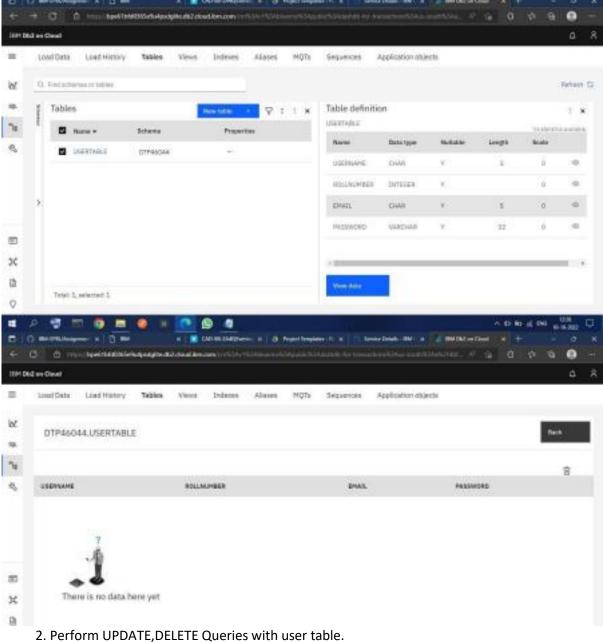
## **ASSIGNMENT 3**

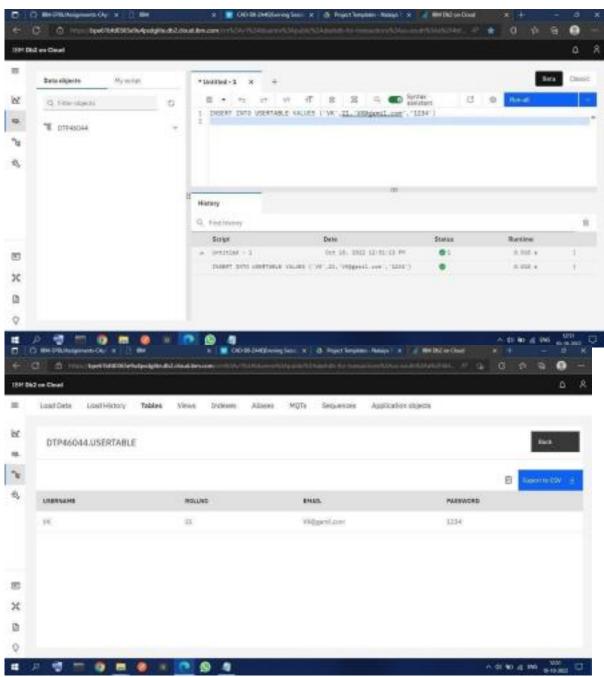
TEAM ID	PNT2022TMID38230
PROJECT NAME	Smart Fashion Recommender Application
NAME	S SAKTHIVEL
ROLL NO	412319104027

## **Questions:**

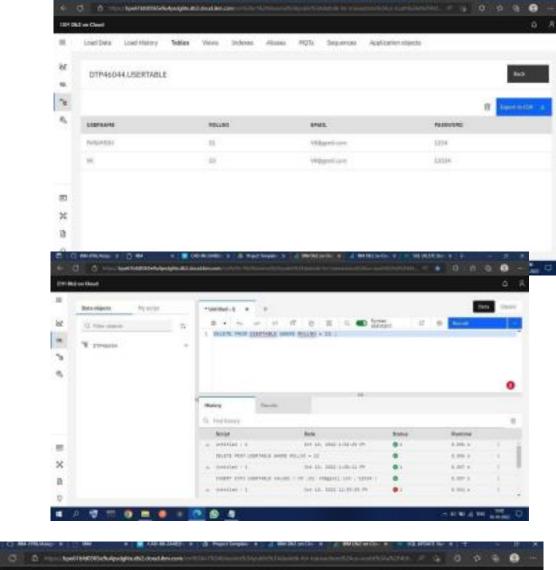
1. Create Usertable with user with email, username, roll number, password.

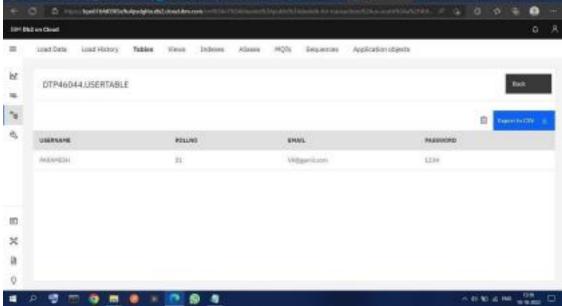


### **UPDATE TABLE:-**



**DELETE TABLE:-**





3.Connect python code to db2.

### **NOTE:- Question 4 contains Question 3 answer**

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

```
App.py
 from flask import Flask, render_template, request, redirect, url_for, session
 import ibm db
 import re
 app = Flask(_name_)
 app.secret_key = 'a'
 conn = ibm_db.connect(
     "DATABASE=bludb; HOSTNAME=fbd88901-ebdb-4a4f-a32e-
 9822b9fb237b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32731;USERNAM
 E-dtp46044; PASSWORD-95soX0sZGhb4ToUj; SECURITY-SSL; SSLSERVERCERTIFICATE-DigiCer
 tGlobalRootCA.crt;", "", "")
 @app.route("/", methods=['GET', 'POST'])
 def register():
msg = ''
 if request.method == 'POST':
 username = request.form['username']
        email = request.form['email']
        password = request.form['password']
        sql = "SELECT * FROM users WHERE username =?"
        stmt = ibm db.prepare(conn, sql)
        ibm_db.bind_param(stmt, 1, username)
        ibm db.execute(stmt)
        account = ibm db.fetch assoc(stmt)
        print(account)
        if account:
            msg = 'Account already exists !'
        elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
            msg = 'Invalid email address !'
        elif not re.match(r'[A-Za-z0-9]+', username):
           msg = 'name must contain only characters and numbers
        !' else:
            insert_sql = "INSERT INTO users VALUES (?, ?, ?)"
            prep_stmt = ibm_db.prepare(conn, insert_sql)
            ibm_db.bind_param(prep_stmt, 1, username)
            ibm_db.bind_param(prep_stmt, 2, email)
            ibm db.bind param(prep stmt, 3, password)
            ibm_db.execute(prep_stmt)
            msg = 'You have successfully registered !'
    elif request.method == 'POST':
        msg = 'Please fill out the form !'
    return render_template('register.html', msg=msg)
```

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

def Login():

```
global userid
   msg = ''
   if request.method == 'POST':
       username = request.form['username']
       password = request.form['password']
       sql = "SELECT * FROM users WHERE username =? AND
       password=?" stmt = ibm_db.prepare(conn, sql)
       ibm_db.bind_param(stmt, 1, username)
       ibm db.bind param(stmt, 2, password)
       ibm db.execute(stmt)
       account = ibm_db.fetch_assoc(stmt)
       print(account)
       if account:
           session['loggedin'] = True
           session['id'] = account['USERNAME']
           userid = account['USERNAME']
           session['username'] = account['USERNAME']
          msg = 'Logged in successfully !'
msg = 'Logged in successfully !'
return render_template('dashboard.html', msg=msg)
        else:
msg = 'Incorrect username / password !'
return render_template('login.html', msg=msg)
if_name_== '_main_':
    app.run(host='0.0.0.
    0') #
```

Register.html

```
(IDOCTYPE 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>Smart Fashion register</title>
    k rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css
        integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL@n8PARn9HuZOnIxN@hoP+VmmDGMN5t9UJ@Z"
crossorigin="anonymous">
    clink rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.css">
clink rel="stylesheet" href="/static/css/style.css">
clink rel="preconnect" href="https://fonts.gstatic.com">
    link
href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap"
rel="stylesheet">
    clink
href="https://fonts.googleapis.com/css2?family=Alegreya:wght@600&display=swap"
rel="stylesheet">
</head>
cbody>
    < !-- Login form -->
```

```
<form action="/" method="post">
<h2 class="form-text-h2"> Register Form </h2>
<div class="msg">{{ msg }}</div>
            <input type="text" class="form-control"</pre>
name="username" placeholder="Enter Your Username" id="username"
                 required>
            <input type="email" class="form-control"</pre>
name="email" placeholder="Enter Your Email ID" id="email"
required>
            <input type="password" class="form-control"</pre>
name="password" placeholder="Enter Your Password" id="password"
                required>
            <button type="submit" id="button" class="btn
btn-primary"> Register </button>
<div class="note mt-3 text-center">
 already have an account ? please login <a</p>
href="/login">login! </a> 
</div>
</form>
</div>
</body>
```

# </html>

crossorigin="anonymous">
 link rel="stylesheet"

awesome/4.7.0/css/font-awesome.css">

href="https://cdnjs.cloudflare.com/ajax/libs/font">href="https://cdnjs.cloudflare.com/ajax/libs/font">href="https://cdnjs.cloudflare.com/ajax/libs/font">href="https://cdnjs.cloudflare.com/ajax/libs/font">href="https://cdnjs.cloudflare.com/ajax/libs/font">href="https://cdnjs.cloudflare.com/ajax/libs/font">href="https://cdnjs.cloudflare.com/ajax/libs/font"

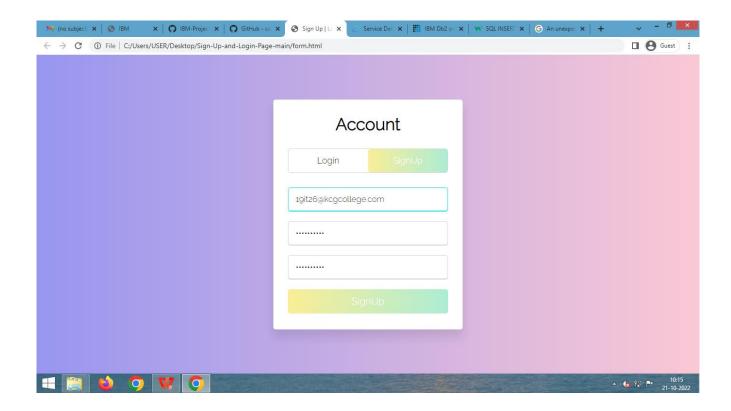
```
Login.html
 <!DOCTYPE htmL>
 <html Lang="en">
 <head>
     <meta charset="UTF-8">
     <meta http-equiv="X-UA-Compatible" content="IE=edge">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Smart Fashion Login</title>
     <!-- <link rel="shortcut icon"
     <link rel="icon" type="image/png" sizes="16x16" href="/assets/img/favicon-</pre>
 32x32.png">
     <!-- bootstrap css cdn -->
     <link rel="stylesheet"</pre>
 href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css
        integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z
```

```
<!-- css stylesheet -->
      <link rel="stylesheet" href="/static/css/style2.css">
      <!-- font styles cdn -->
      <link rel="preconnect" href="https://fonts.gstatic.com">
href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap">href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap">href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap">href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap">href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap">href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap">href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap">href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap">href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap">href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap">href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap">href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap">href="https://fonts.googleapis.com/css2]
" rel="stylesheet">
      k
href="https://fonts.googleapis.com/css2?family=Alegreya:wght@600&display=swap
" rel="stylesheet">
</head>
<body>
      <div class="login text-center mt-5">
             <form action="/login" method="post">
                    <h2 class="form-text-h2"> Login Form </h2>
                    <div class="msg">{{ msg }}</div>
                    <div class="form-group mb-3">
                          <label class="label" for="username">Username</label>
                           <input type="text" class="form-control"</pre>
placeholder="Username" name="username" required>
                    </div>
                    <div class="form-group mb-3">
                          <label class="label" for="password">Password</label>
                           <input type="password" class="form-control"</pre>
placeholder="Password" name="password" required>
                    </div>
                                                                          <button type="submit" id="button"</pre>
</button>
                                                                      </body>
                                                                       </html>
                                                                      class="btn btn-primary"> Login
href="/">register! </a>  </div>
                                                                      <div class="note mt-3 text-center"> <!--</pre>
</form>
                                                                      Register form -->
</div>
                                                                       Don't have an account yet? Click here
                                                                      to <a
Style.css
      margin: 0;
      padding: 0;
body {
      background-color: aqua
      !important; display: flex;
      flex-direction: column;
      align-items: center;
      justify-content:
```

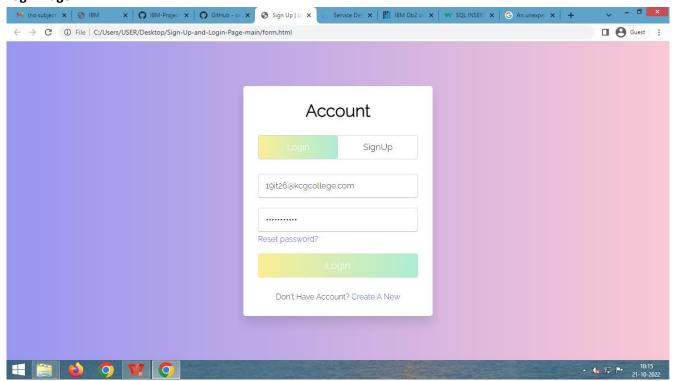
```
center;
form {
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content:
    center;
    background-color:
   white; width: 40%;
    height: 450px;
    border-radius: 50px;
    margin: 100px;
    gap: 25px;
h2 {
   font-size: large;
   font-weight: bolder;
input {
  width: 80% !important;
div {
    display: flex;
    align-items: center;
    justify-content:
    center; flex-direction:
    column; width: 90%;
.form-text-vk {
    font-size: small;
    padding-bottom: 10px;
 .form-text-h2 {
 font-size: x-large;
     padding-top:
```

# Output:-

registration page:-



## Login Page:-



### Data Base Table :-

