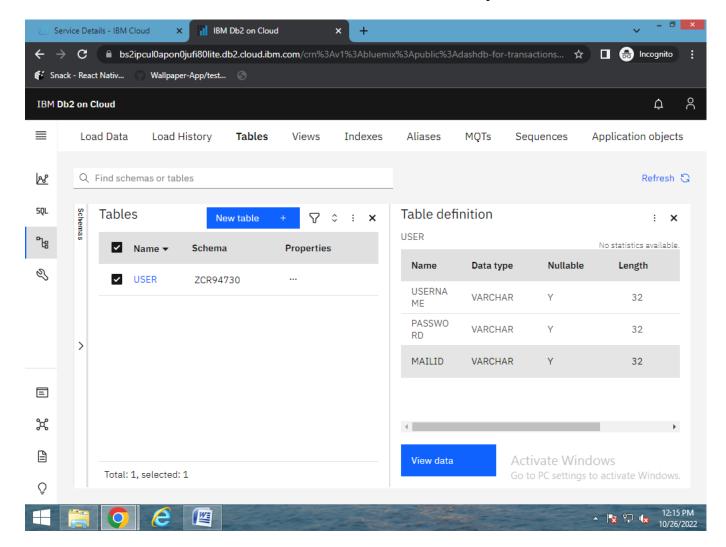
ASSIGNMENT 3

TEAM ID	PNT2022TMID27406
PROJECT NAME	NEWS TRACKER APPLICATION
NAME	VENKATESH R
ROLL NO	311019205043

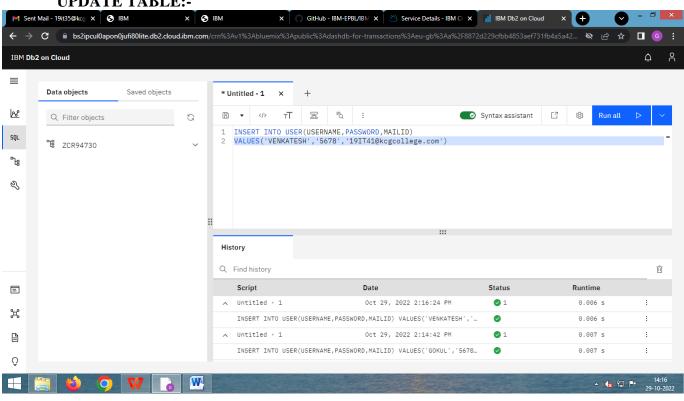
Questions:

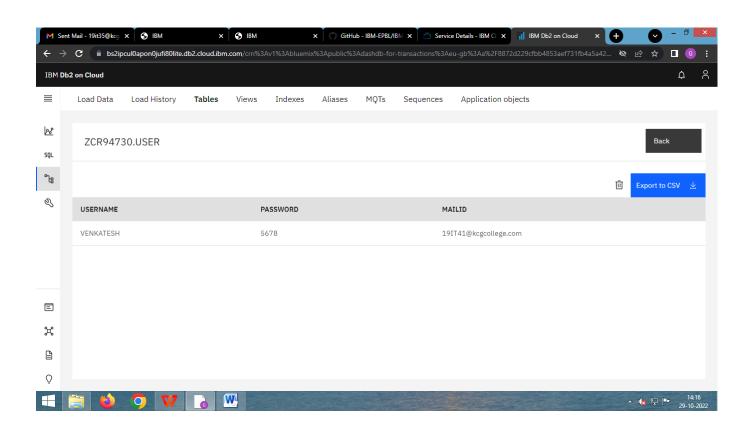
1. Create User table with user with email, username, roll number, password.



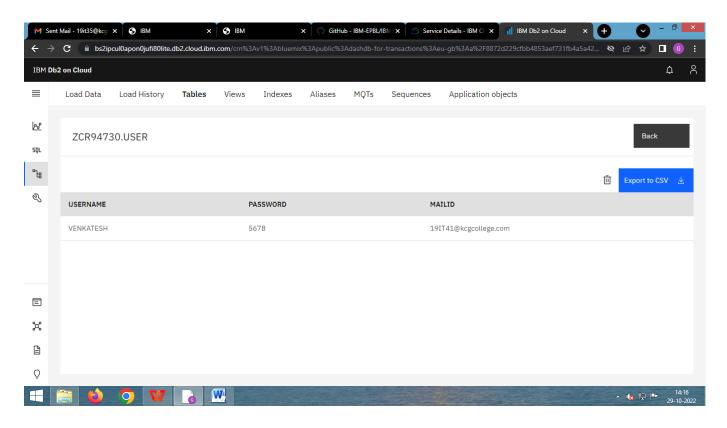
2. Perform UPDATE, DELETE Queries with user table.

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

Answer

```
S
  from flask import Flask, render_template, request, redirect, url_for, session
Apimport ibm_db
  import re
  app = Flask(_name_)
  app.secret_key = 'a'
  conn = ibm_db.connect(
      "DATABASE=bludb; HOSTNAME=fbd88901-ebdb-4a4f-a32e-
  9822b9fb237b.clogj3sd0tgtu0lqde00.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_sq1)
           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') #
app.run(dehug=True)
```

Register.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 register</title>
    <link rel="stylesheet"</pre>
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css
        integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-</pre>
awesome/4.7.0/css/font-awesome.css">
    <!-- css stylesheet -->
<link rel="stylesheet" href="/static/css/style.css">
<link rel="preconnect" href="https://fonts.gstatic.com">
href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap"
rel="stylesheet">
href="https://fonts.googleapis.com/css2?family=Alegreya:wght@600&display=swap"
rel="stylesheet">
</head>
<body>
    <!-- bootstrap navbar -->
    <!-- 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"
                 reauired>
            <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</pre>
btn-primary"> Register </button>
<div class="note mt-3 text-center">
                <!--Register form -->
 already have an account ? please login <a
href="/login">login! </a> 
</div>
</form>
</div>
</body>
```

</html>

Login.html

```
integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9
UJ0Z" crossorigin="anonymous">
          k rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/
font- awesome/4.7.0/css/font-awesome.css">
          <!-- css stylesheet -->
          k 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="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.com/css2?family=Alegreya&display="">https://fonts.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googleapis.googl
swap" rel="stylesheet">
          link
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 cZass="form-group mb-3">
                                         <label class="label" for="username">Username</label>
                                         <input type="text" class="form-control" placeholder="Username"</pre>
name="username" required>
                              </div>
                              <div class="form-group mb-3">
                                         <label class="label" for="password">Password</label>
                                         <input type="password" class="form-</pre>
control" placeholder="Password" name="password"
required>
                              </div>
                                                                                                                                                        </form>
                                                                                                                                             </div>
 </button>
                                                                                                                  </body>
                                                                                                                  </html>
```

```
<button
type="submit"
id="button"
class="btn btn-
primary"> Login

<div class="note mt-3
text-center">
    <!--Register form -->
     Don't have an
    account yet? Click here
    to <a</pre>
```

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-

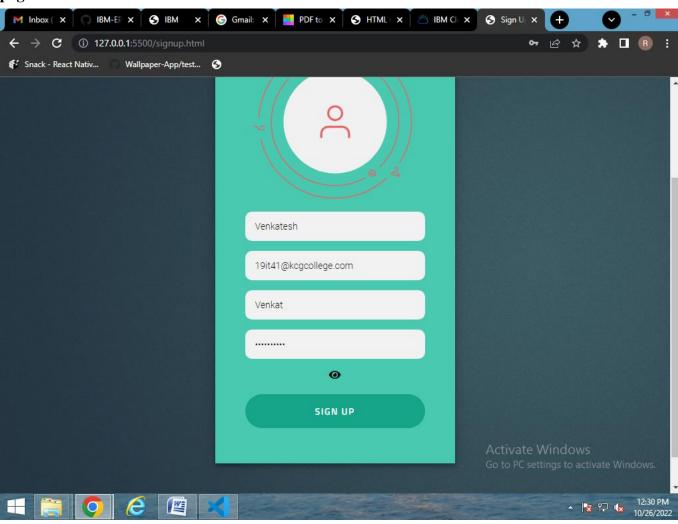
```
direction: column;
  width: 90%;
}
.form-text-vk {
  font-size: small;
  padding-bottom:
  10px;
```

```
}
.form-text-h2 {
font-size: x-large;
   padding-top:
   10px;
}
```

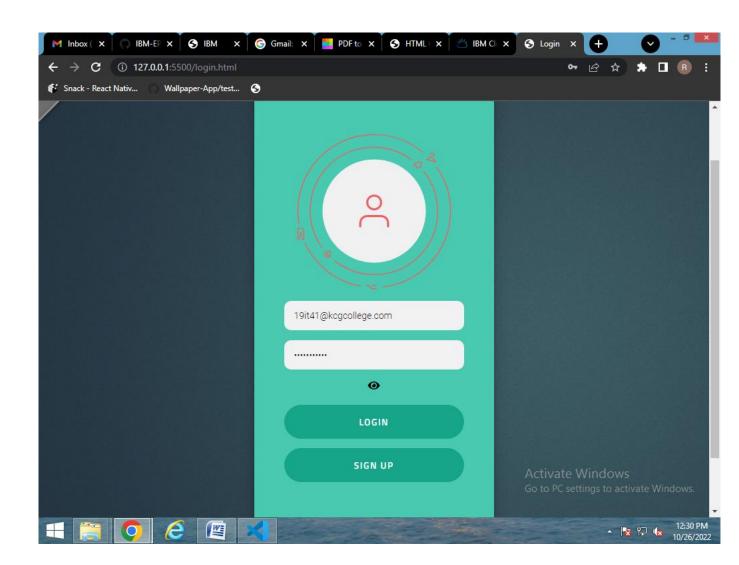
Output:-

registration

page:-



Login Page:-



Welcome Page:-

