IBM Assignment -2

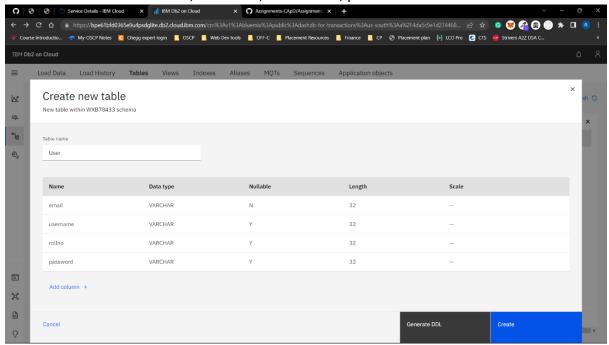
Project Title: Personal Expense Tracker Application

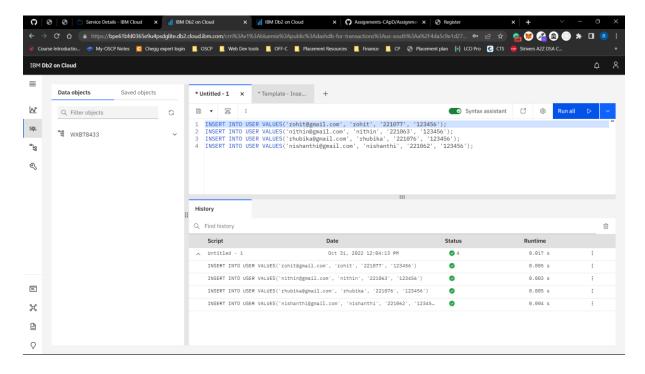
Team ID: PNT2022TMID32657

Name: Rohit M

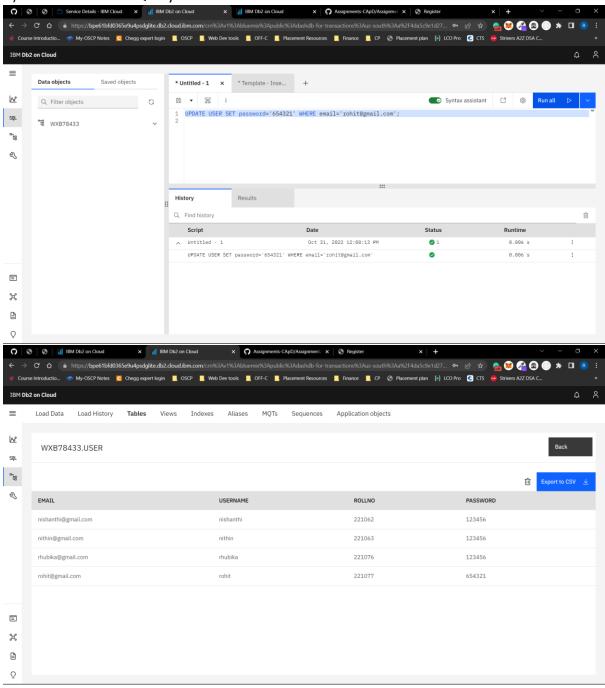
Registration No: 813819104077

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

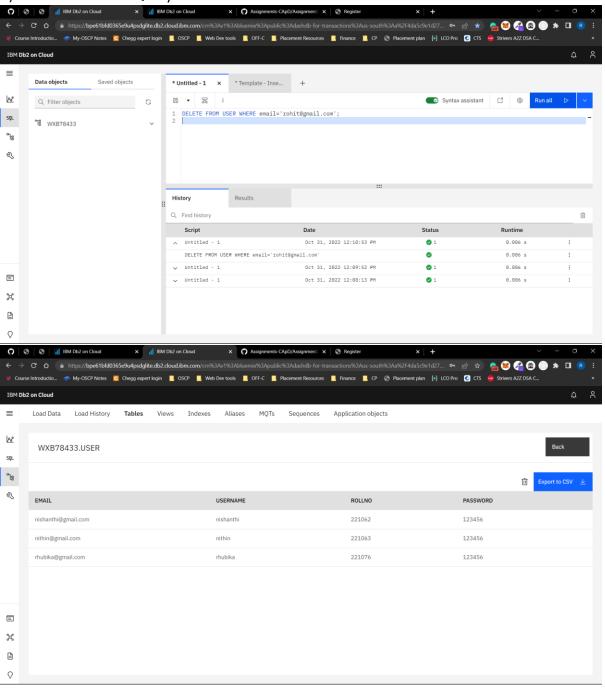




2) A) Perform UPDATE Query with user table



B) Perform DELETE Query with user table



3) Connect python code to db2.

Connect.py

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 with username and password. If the user is valid show the welcome page

App.py

```
from flask import Flask, render_template, request, session, redirect, url_for
import ibm db
from connect import get_db_connection
app = Flask( name )
app.secret_key = 'abcde'
con = 0
@app.route('/')
@app.route("/register", methods=['GET','POST'])
def register():
    if(request.method == 'GET'):
        if 'auth' in session:
            if session['auth']:
                return redirect(url_for('home'))
        return render_template("register_2.html")
    elif(request.method == 'POST'):
        name = request.form['username']
        email = request.form['email']
```

```
password = request.form['password']
        rollno = request.form['rollno']
        # TODO: check if account already exist
        qry = "INSERT INTO USER VALUES(?,?,?,?)"
        stmt = ibm db.prepare(con,qry)
        ibm db.bind param(stmt,1,email)
        ibm db.bind param(stmt,2,name)
        ibm db.bind param(stmt,3,rollno)
        ibm db.bind param(stmt,4,password)
        ibm_db.execute(stmt)
        return redirect(url for('login'))
    else:
        return "404 not found"
@app.route('/login', methods=['GET', 'POST'])
def login():
    if(request.method == 'GET'):
        if 'auth' in session:
            if session['auth']:
                return redirect(url_for('home'))
        return render_template("login.html")
    elif(request.method == 'POST'):
        email=request.form['email']
        password=request.form['password']
        sql="SELECT * FROM USER WHERE email=? AND password=?"
        stmt=ibm_db.prepare(con,sql)
        ibm_db.bind_param(stmt,1,email)
        ibm_db.bind_param(stmt,2,password)
        ibm db.execute(stmt)
        resp=ibm_db.fetch_assoc(stmt)
        print("resp - ",resp)
        if resp:
            session['auth'] = True
            session['email'] = email
            session['name'] = resp['USERNAME']
            # session['rollno'] = rollno
            return redirect(url_for('home'))
        else:
            return redirect(url_for('login'))
    else:
        return "404 not found"
@app.route('/home')
def home():
    if 'auth' in session:
        if not session['auth']:
```

```
return redirect(url_for('login'))
return render_template("home.html")

@app.route('/logout')
def logout():
    session.pop('email',None)
    session.pop('name',None)
    session['auth'] = False
    return redirect(url_for('login'))

if(__name__ == "__main__"):
    con = get_db_connection()
    app.run(debug=True)
```

home.html

```
<!DOCTYPE html>
<html lang="en">
   <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>Home</title>
   <link rel="stylesheet" href="{{url_for('static', filename =</pre>
'style2.css')}}">
   <nav class="navbar">
       <h1 class="logo">MyMoney</h1>
       <a href="/logout">Logout</a>
       <div class="container">
       <h1 class="head">Welcome {{session['name']}} !!!</h1>
   </div>
</body>
```

Register.html

```
<link rel="stylesheet" href="{{url_for('static', filename =</pre>
'style2.css')}}">
   <title>Register</title>
   <nav class="navbar">
       <h1 class="logo">MyMoney</h1>
       <a href="/login">Login</a>
       <div class="container">
           <h1 class="head">Register for a New Account</h1>
           <form action="/register" method="post" class="register">
               <label for="name">UserName</label>
               <input type="text" name="username" class="inp">
               <label for="name">Rollno</label>
               <input type="text" name="rollno" class="inp">
               <label for="email">Email</label>
               <input type="email" name="email" class="inp">
              <label for="password">Password</label>
              <input type="password" name="password" class="inp">
              <input type="submit" value="Register" class="inp-btn">
           </form>
   </div>
</body>
```

Login.html

Style2.css

```
@import
url('https://fonts.googleapis.com/css2?family=Montserrat:wght@400;500;600&disp
lay=swap');
@import url('http://fonts.cdnfonts.com/css/lemon-tuesday');
*{
    margin: 0%;
    padding: 0%;
    box-sizing: border-box;
    font-family: 'Montserrat', sans-serif;
.navbar{
    display: flex;
    flex-direction: row;
    justify-content: space-between;
    align-items: center;
    /* background-color: #6c73ee; */
    background-color: #7C4CFB;
    color: rgb(234, 237, 240);
.nav-ul{
    display: flex;
    flex-direction: row;
    list-style: none;
```

```
.nav-li{
   padding: 1rem;
   font-weight: bold;
   font-size: 20px;
.nav-li:hover{
   /* background-color: #545CB3; */
   background-color: #9900FF;
   cursor: pointer;
.logo{
   font-family: 'Lemon Tuesday', sans-serif;
   font-size: 2rem;
   padding-left: 1rem;
   padding-bottom: 0.6rem;
.container{
   display: grid;
   grid-template-columns: 1fr 1fr 1fr;
.center{
   display: flex;
   flex-direction: column;
   justify-content: center;
   align-items: center;
   height: 92vh;
.left{
   display: flex;
   flex-direction: column;
   align-items: flex-end;
   height: 92vh;
   overflow: hidden;
.right{
   display: flex;
   flex-direction: column;
   align-items: flex-end;
   height: 92vh;
   overflow: hidden;
```

```
.img-div-right{
    height: 100vh;
    margin-top: 13.5rem;
.img-div-left{
    height: 100vh;
    margin-top: 15.5rem;
.register{
    display: flex;
    flex-direction: column;
label{
    margin-top: 20px;
    font-size: 20px;
    font-weight: 600;
.inp{
    width: 20vw;
    height: 5vh;
    border: 2px solid #120E43;
    border-radius: 6px;
.inp-btn{
    margin-top: 15px;
    width: 20vw;
    height: 5vh;
    background-color: #6c73ee;
    color: #ffffff;
    font-size: 20px;
    font-weight: 600;
    border-radius: 6px;
.inp-btn:hover{
    background-color: #545CB3;
    cursor: grab;
.head{
    color: black;
.company{
    color: #ffffff;
    margin-bottom: 15vh;
```

```
.main-img-left{
    transform: scale(0.90, 0.90);
}
.main-img-right{
    transform: scale(0.80, 0.80);
}
```

	X Assignments-	CApD/Assignment2 × 🕙 I	Register	× 😵	IBM	× +			
← → C ☆ ① http://127.0.0.1:50	100						07	 (2) (3) (4) (5) (6) (7) (7) (8) (9) (9) (10) (10	* 🛚 🖪 :
Course Introductio 🗢 My-OSCP Notes	Chegg expert login	OSCP Web Dev tools	OFF-C P	lacement Resources	Finance CP	Placement plan			
МуМочеу									Login
Register for a New Account									
			UserName						
			shelby						
			Rollno 127						
			Email						
			shelby@t	est.com					
			Password						
				Register					

