# **IBM Assignment -2**

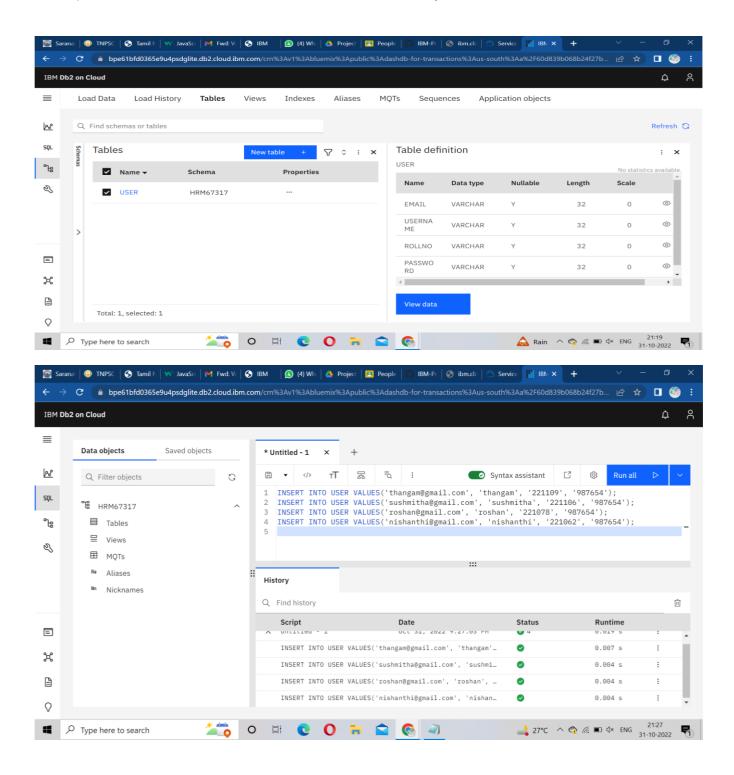
**Project Title: Personal Expense Tracker Application** 

Team ID: PNT2022TMID32657

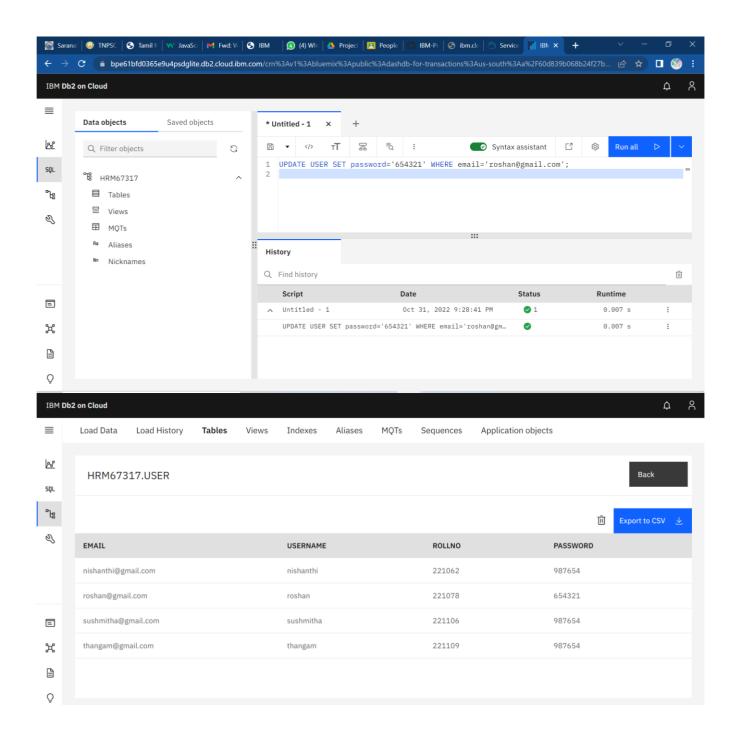
Name: Rhubika M

Registration No: 813819104076

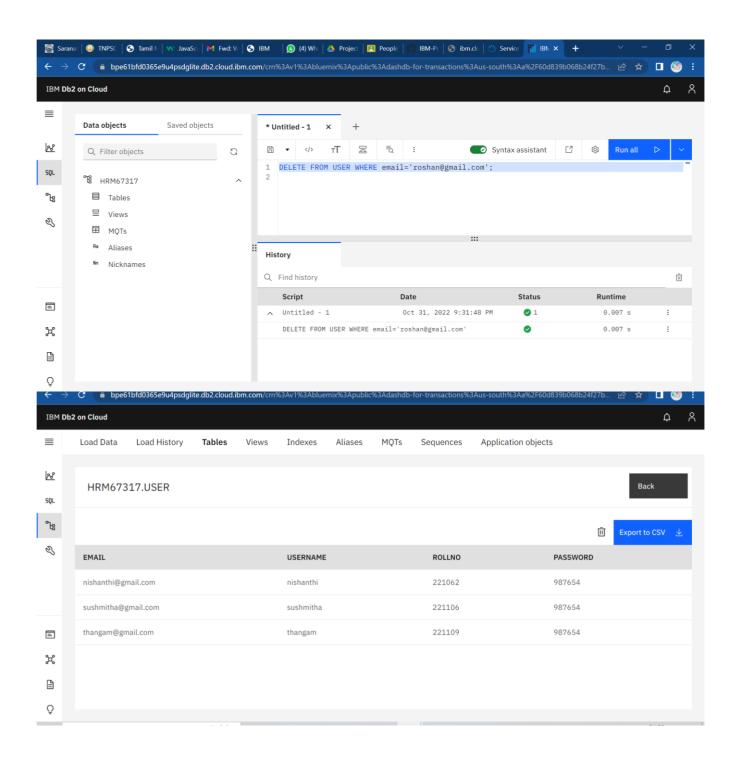
1) Create User table with email, username, roll number, password.



## 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']
        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>
</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);
}
```

