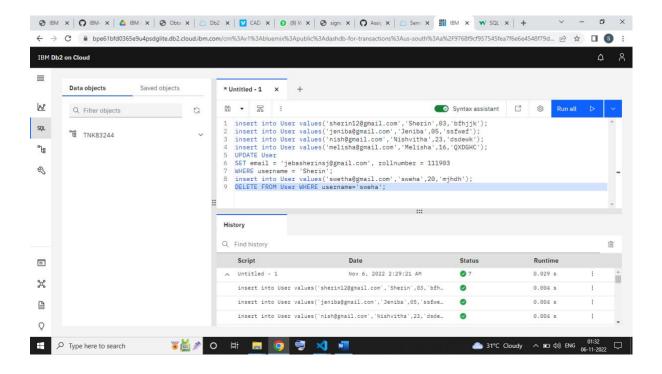
# **News Tracker Application**

## **Assignment-2:**

1. Create User table with user with email, username, roll number, password. insert into User values('sherin12@gmail.com','Sherin',03,'bfhjjk'); insert into User values('jeniba@gmail.com','Jeniba',05,'ssfwef'); insert into User values('nish@gmail.com','Nishvitha',23,'dsdewk'); insert into User values('melisha@gmail.com','Melisha',16,'QXDGHC'); insert into User values('swetha@gmail.com','sweha',20,'mjhdh');



#### 2. Perform UPDATE, DELETE Queries with user table

insert into User values('sherin12@gmail.com','Sherin',03,'bfhjjk');

insert into User values('jeniba@gmail.com','Jeniba',05,'ssfwef');

insert into User values('nish@gmail.com','Nishvitha',23,'dsdewk');

insert into User values('melisha@gmail.com','Melisha',16,'QXDGHC');

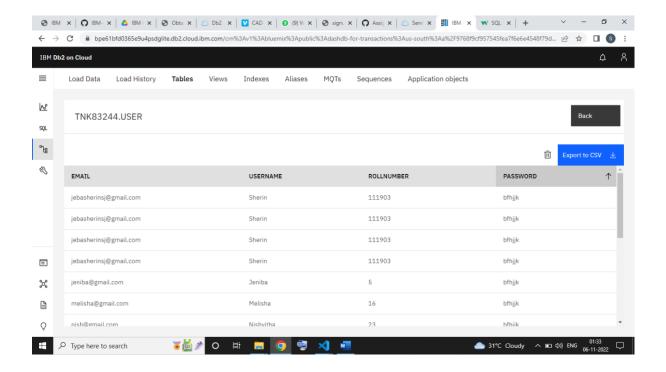
#### **UPDATE** User

SET email = 'jebasherinsj@gmail.com', rollnumber = 111903

WHERE username = 'Sherin';

insert into User values('swetha@gmail.com','sweha',20,'mjhdh');

**DELETE FROM User WHERE username='sweha'**;



#### 3. Connect python code to db2.

#### Code.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=b0aebb68-94fa-46ec-a1fc-
1c999edb6187.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=31249;SECURIT
Y=SSL;SSLSERVERCERIFICATE=DigiCertGlobalRootCA.crt;UID=fqg93621;PWD=eezWMIvhvT
ceZxPH",'','')
@app.route("/")
def home():
    return render_template('login.html')
@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 user WHERE username = ? AND password = ?"
        stmt = ibm_db.prepare(conn,sql)
        ibm_db.bind_param(stmt,1,username)
        ibm db.bind param(stmt,2,password)
        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!'
            return render_template('page.html',msg=msg)
        else:
            msg='Incorrect username/password'
            return render_template('login.html',msg=msg)
@app.route('/register',methods=['GET','POST'])
def register():
    if request.method=='POST':
        username=request.form['username']
        email=request.form['email']
        password = request.form['password']
        sql = "SELECT * FROM user 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 characters and numbers"
                insert sql="INSERT INTO user 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("registration.html",msg=msg)
@app.route('/page')
def page():
    return render_template("page.html")
@app.route('/apply',methods=['GET','POST'])
def app():
    msg=''
    if request.method=="POST":
        username=request.form['username']
        email=request.form['email']
        rollnumber=request.form['rollnumber']
        password=request.form['password']
        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():
            return render_template('page.html')
        insert sql="INSERT INTO user 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,rollnumber)
ibm_db.bind_param(prep_stmt,4,password)
ibm_db.execute(prep_stmt)
```

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

### Registration.html

```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<title> Registration Page </title>
<style>
Body {
 font-family: Calibri, Helvetica, sans-serif;
 background-image: url('C:/Users/Jeba/Desktop/img.jpg');
h1{
    font-family: "Cursive";
button {
       background-color: #4fbb80;
       width: 100%;
        color: rgb(14, 11, 7);
        padding: 15px;
        margin: 10px 0px;
        border: none;
        cursor: pointer;
 form {
        border: 3px solid #f1f1f1;
 input[type=text], input[type=text], input[type=email],input[type=text]{
        width: 100%;
        margin: 8px 0;
        padding: 12px 20px;
```

```
display: inline-block;
        border: 2px solid green;
        box-sizing: border-box;
 button:hover {
        opacity: 0.7;
.container {
        padding: 100px;
        background-color: rgba(252, 141, 141, 0.911);
        background-image: url('C:/Users/Jeba/Desktop/img.jpg');
</style>
</head>
<body>
    <center> <h1><font color="yellow"><i> Registration Form </i></font></h1>
    <form method="post" action="/confirm">
        <div class="container">
            <label><font color="white">Username : </font></label>
            <input type="text" placeholder="Enter Username" name="username"</pre>
required>
            <label><font color="white">Email :</font> </label>
            <input type="email" placeholder="Enter Email Id" name="email"</pre>
required>
            <label><font color="white">Roll Number : </font></label>
            <input type="text" placeholder="Enter roll no." name="rollnumber"</pre>
required>
            <label><font color="white">Password : </font></label>
            <input type="text" placeholder="Enter password" name="password"</pre>
required>
            <button type="submit"><b><font</pre>
color="white">REGISTER</font></b></button>
        </div>
    </form>
</body>
</html>
```

## Login.html

```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<title> Login Page </title>
<style>
```

```
Body {
  font-family: Calibri, Helvetica, sans-serif;
  background-image: url('C:/Users/Jeba/Desktop/img.jpg');
h1{
    font-family: "Cursive";
button {
       background-color: #4fbb80;
       width: 100%;
        color: rgb(14, 11, 7);
        padding: 15px;
        margin: 10px 0px;
        border: none;
        cursor: pointer;
 form {
        border: 3px solid #f1f1f1;
 input[type=text], input[type=password]{
        width: 100%;
        margin: 8px 0;
        padding: 12px 20px;
        display: inline-block;
        border: 2px solid green;
        box-sizing: border-box;
 button:hover {
        opacity: 0.7;
  .cancelbtn {
        width: auto;
        padding: 10px 18px;
        margin: 10px 5px;
 .container {
        padding: 100px;
        background-color: rgba(252, 141, 141, 0.911);
        background-image: url('C:/Users/Jeba/Desktop/img.jpg');
</style>
</head>
<body>
    <center> <h1><font color="white"><i> Login Form </i></font></h1>
   <form method="post" action="page.html">
```

```
<div class="container">
            <label><font color="white">Username : </font></label>
            <input type="text" placeholder="Enter Username" name="username"</pre>
required>
            <label><font color="white">Password : </font></label>
            <input type="password" placeholder="Enter Password"</pre>
name="password" required>
            <button type="submit"><b><font color="white">LOG
IN</font></b></button>
            <input type="checkbox" checked="checked"> <b><font</pre>
color="white">Remember me</font></b>
            <button type="button" class="cancelbtn"><b>Cancel</b></button>
            <font color="white">Forgot </font><a href="#"> <font</pre>
color="white">password? </font></a>
        </div>
    </form>
</body>
</html>
```

#### **Output:**

