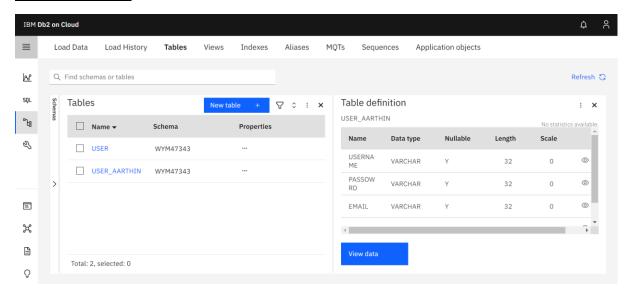
### Assignment 2 - Personal Expense Tracker

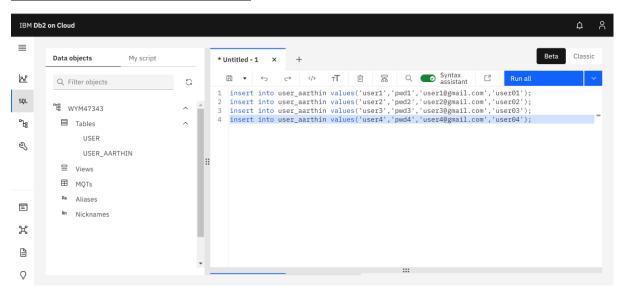
Name: Aarthi N

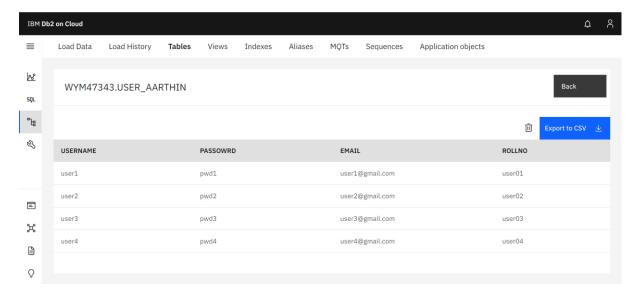
RollNo: 195001002

#### **Creation of table:**

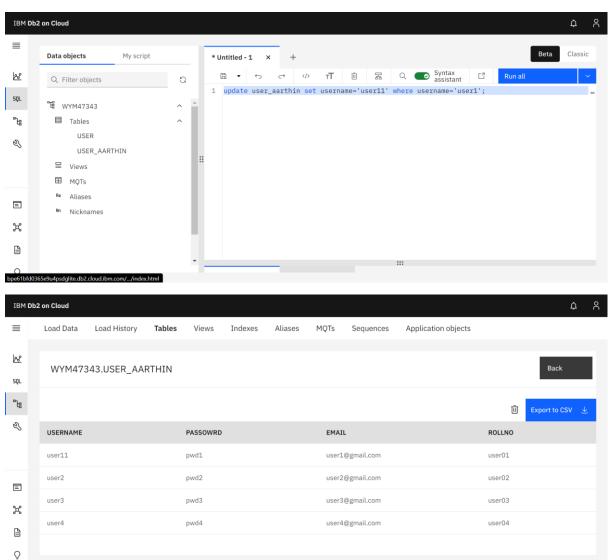


### Insertion into USER\_AARTHIN table:

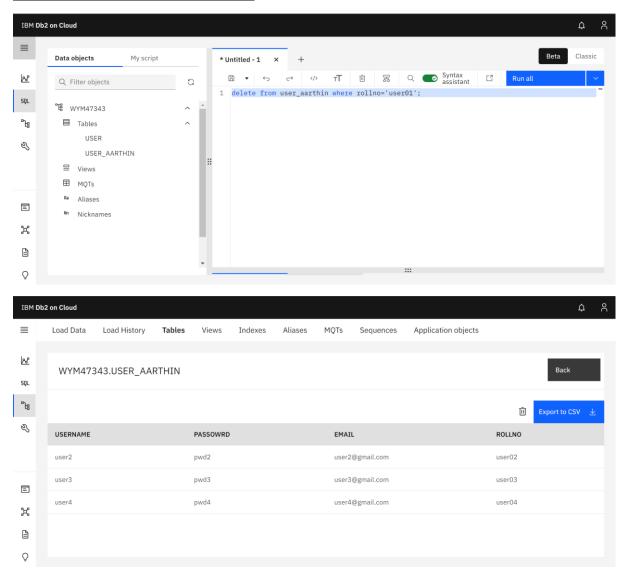




# **Updating USER\_AARTHIN table:**



# **Deleting from USER\_AARTHIN table:**



### **Connecting to IBM DB2 from python:**

conn=ibm\_db.connect("DATABASE=bludb;HOSTNAME=19af6446-6171-4641-8aba-9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30699;Security=SSL; SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=wym47343;PWD=KRCuyIBtvZY1adNZ;"," ","")

#### **Source Code:**

#### App.py

```
from flask import Flask, render_template, url_for,session,request, redirect
import ibm db
app=Flask(__name__, template_folder='resources')
app.secret_key='a'
conn=ibm db.connect("DATABASE=bludb;HOSTNAME=19af6446-6171-4641-8aba-
9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30699;Security=SSL;
SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=wym47343;PWD=KRCuyIBtvZY1adNZ;","
","")
@app.route('/', methods=['GET','POST'])
def register():
  msg=" "
  if request.method=='POST':
    username=request.form['username']
    password=request.form['password']
    email=request.form['email']
    rollno=request.form['rollno']
    sql="INSERT INTO user_aarthin VALUES(?,?,?,?)"
    stmt=ibm db.prepare(conn,sql)
    ibm_db.bind_param(stmt,1,email)
    ibm_db.bind_param(stmt,2,username)
    ibm db.bind param(stmt,3,rollno)
    ibm db.bind param(stmt,4,password)
    ibm db.execute(stmt);
    msg='Succesfully registered!'
```

```
return redirect(url_for('login'))
  elif request.method=='GET':
    msg='Please fill 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 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)
    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'
      return render_template("welcome.html",msg=msg,username=userid)
    else:
      msg='Incorrect username/password'
```

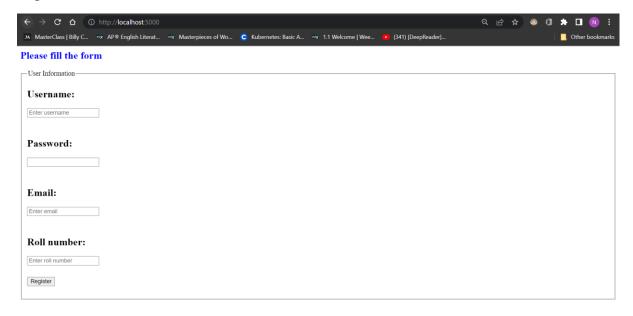
```
return render_template('login.html', msg=msg)
 elif request.method=='GET':
    return render template('login.html')
if __name__=='__main__':
 app.run(host='0.0.0.0')
Register.html
<html>
<body>
<h2 style="color:blue">{{msg}}</h2>
<form action="/" method="POST">
<fieldset>
<legend>User Information</legend>
<h2>Username:<h2> <input type="text" name="username" placeholder="Enter username
"><br/>
<h2>Password:<h2> <input type="password" name="password"><br/><br/>
<h2>Email:<h2> <input type="email" name="email" placeholder="Enter email"><br/>><br/>>
<h2>Roll number:<h2> <input type="text" name="rollno" placeholder="Enter roll
number"><br/><br/>
<input type="submit" value="Register">
</fieldset>
</form>
</body>
</html>
```

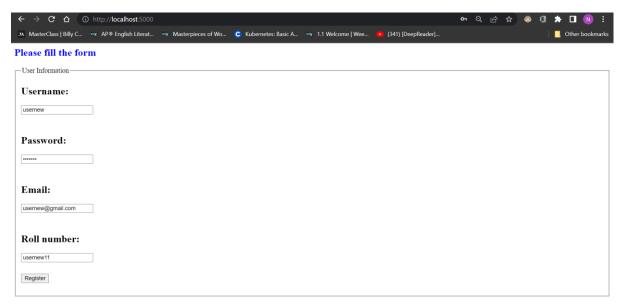
### Login.html

#### Welcome.html

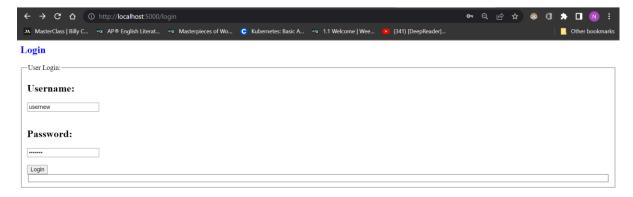
```
<h1 style="color:blue">Welcome {{username}}!</h1> <h2>{{msg}}</h2>
```

# Register.html





# Login.html (correct login)

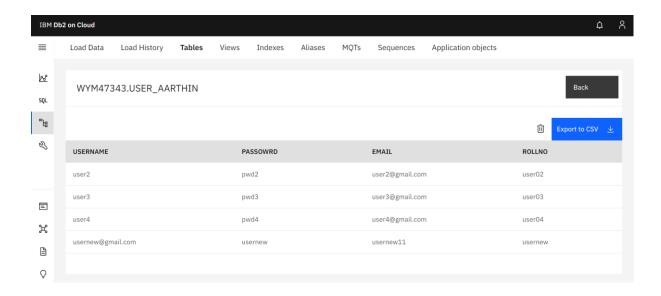


### Welcome.html

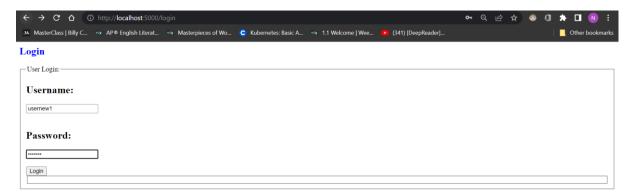


Welcome usernew!

Logged in successfully



# Login.html (incorrect login)



# Login.html (incorrect login)

