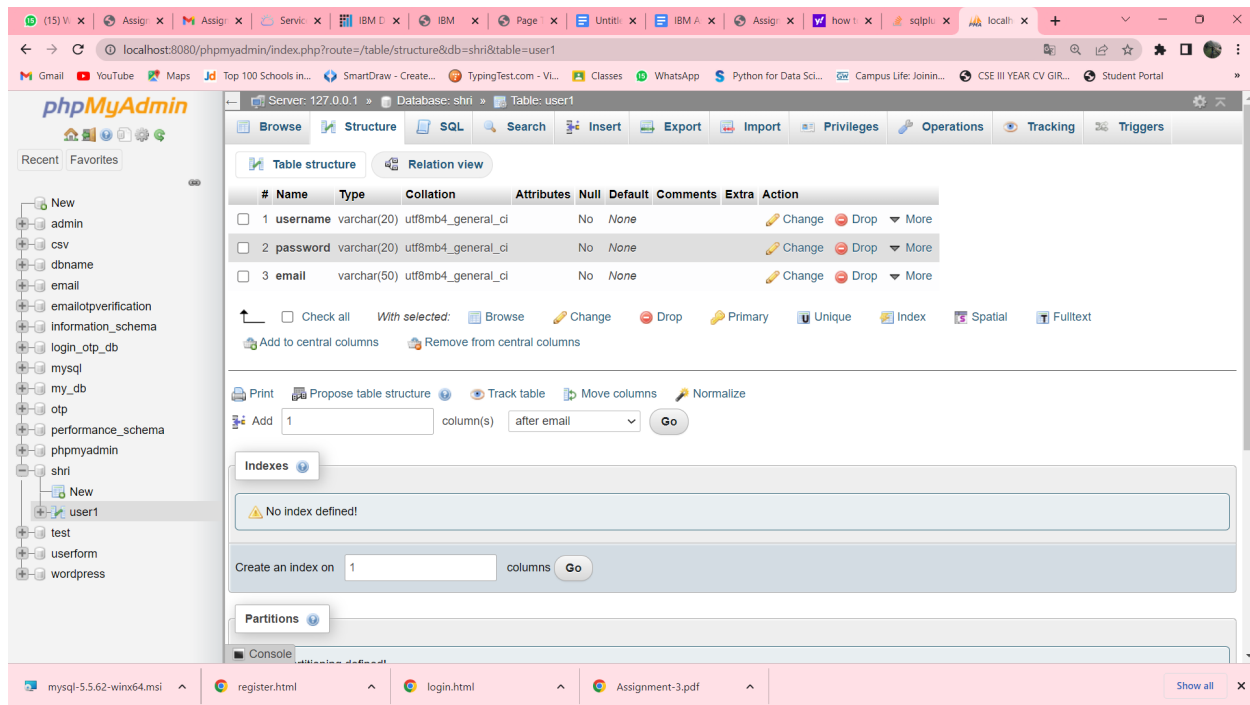


Assignment -3

| | |
|---------------------|-----------------------------|
| Assignment Date | 21 October 2022 |
| Student Name | Ms.S.Shrimathi(Team leader) |
| Student Roll Number | 950019104042 |
| Maximum Marks | 2 Marks |
| Team ID | PNT2022TMID49592 |

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

CREATE TABLE user(username varchar(20) not null, password varchar(20) not null,email varchar(50) not null)



INSERT INTO user(username, password,email) VALUES('Shrimathi',123456,
'shrimathi@gmail.com')

INSERT INTO user(username, password,email) VALUES('shri',1234, 'shrikumar@gmail.com')

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

| username | password | email |
|-----------|----------|---------------------|
| Shrimathi | 123456 | shri@gmail.com |
| Shri | 1234 | shrikumar@gmail.com |

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

2.Perform UPDATE,DELETE Queries with user table

UPDATE user SET username='Shrikumar' WHERE email='shrikumar@gmail.com'

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

| username | password | email |
|-----------|----------|---------------------|
| Shrimathi | 123456 | shri@gmail.com |
| Shrikumar | 1234 | shrikumar@gmail.com |

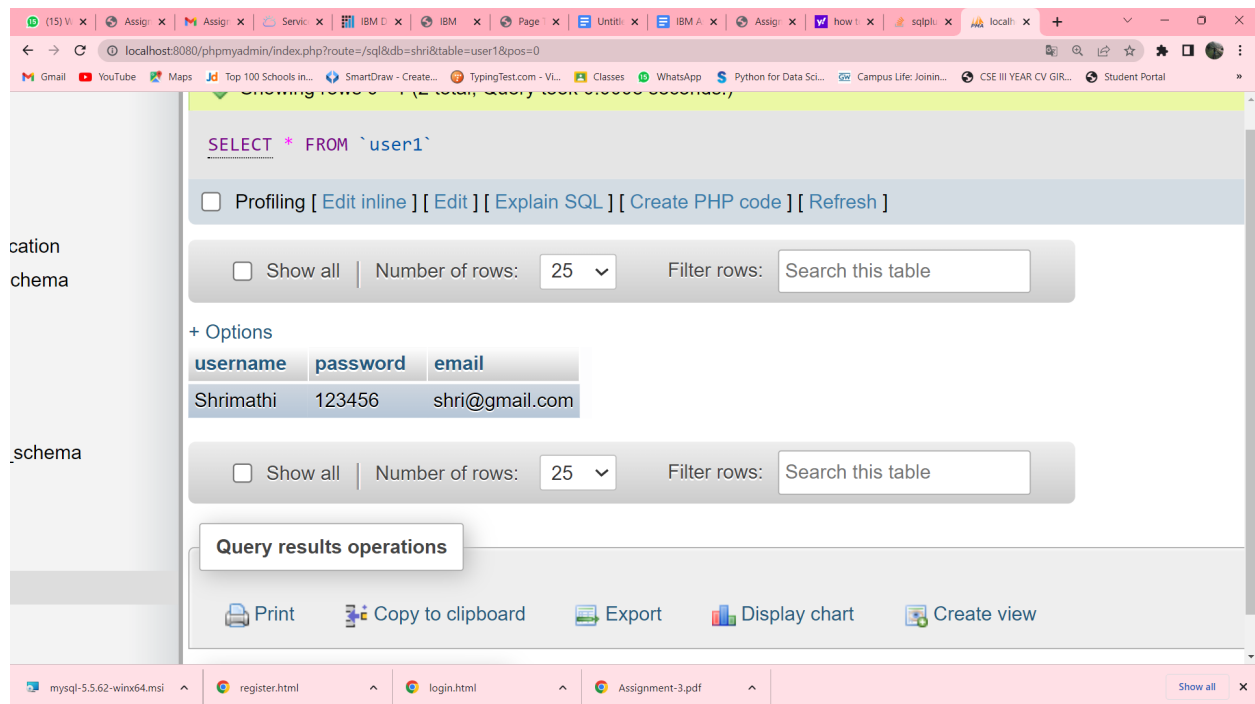
☐ Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

DELETE FROM user WHERE username = 'Shrikumar'



3.Connect python code to db2.

```
conn =  
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=b1bc1829-6f45-4cd4-bef4-10cf081900  
bf.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32304;SECURITY=SSL;SSLServ  
erCertificate=DigiCertGlobalRootCA.crt;UID=jpg92341;PWD=5HWT2ImD7POkuLnv",",")
```

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.

Login.html

```
<html>  
  <head>  
    <meta charset="UTF-8">  
    <title> Login </title>  
  </head>  
  <body></br></br></br></br></br>  
    <div align="center">  
      <div align="center" class="border">
```

```

<div class="header">
  <h1 class="word">Login</h1>
</div></br></br></br>
<h2 class="word">
  <form action="{{ url_for('login') }}" method="post">
    <div class="msg">{{ msg }}</div>
    <input id="username" name="username" type="text" placeholder="Enter Your
Username" class="textbox"/></br></br>
    <input id="password" name="password" type="password" placeholder="Enter Your
Password" class="textbox"/></br></br></br>
    <input type="submit" class="btn" value="Sign In"></br></br>
  </form>
</h2>
<p class="bottom">Don't have an account? <a class="bottom"
href="{{url_for('register')}}"> Sign Up here</a></p>
</div>
</div>
</body>
</html>

```

Register.html

```

<html>
  <head>
    <meta charset="UTF-8">
    <title> Register </title>
  </head>
  <body></br></br></br></br></br>
  <div align="center">
    <div align="center" class="border">
      <div class="header">
        <h1 class="word">Register</h1>
      </div></br></br></br>
      <h2 class="word">
        <form action="{{ url_for('register') }}" method="post">
          <div class="msg">{{ msg }}</div>
          <input id="username" name="username" type="text" placeholder="Enter Your
Username" class="textbox"/></br></br>
          <input id="password" name="password" type="password" placeholder="Enter Your
Password" class="textbox"/></br></br>
          <input id="email" name="email" type="text" placeholder="Enter Your Email ID"
class="textbox"/></br></br>
          <input type="submit" class="btn" value="Sign Up"></br>
        </form>
      </h2>
    </div>
  </div>
</body>
</html>

```

```

        </form>
    </h2>
    <p class="bottom">Already have an account? <a class="bottom"
href="{{url_for('login')}}"> Sign In here</a></p>
    </div>
</div>
</body>
</html>

```

Index.html

```

{% extends 'base.html' %}

{% block head %}
    <title>Home Page</title>
{% endblock %}

{% block body %}
    <h1><b>Hello everyone This is Shrimathi,</b></h1>
    <h2><p>Welcome to my Website</p></h2>
{% endblock %}

```

App.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=b1bc1829-6f45-4cd4-bef4-10cf081900bf.c1o
gj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32304;SECURITY=SSL;SSLServerCerti
ficate=DigiCertGlobalRootCA.crt;UID=jpg92341;PWD=5HWT2lmD7POkuLnv","")
@app.route("/")
def index():
    return render_template('index.html')
@app.route('/login', methods=['GET', 'POST'])
def login():
    global userid
    msg = ""
    if request.method == 'POST' and 'username' in request.form and 'password' in request.form:
        username = request.form['username']

```

```

password = request.form['password']
stmt = ibm_db.prepare(conn,'SELECT * FROM user WHERE username = ? AND
password = ?')
ibm_db.bind_param(stmt,1,username)
ibm_db.bind_param(stmt,2,password)
ibm_db.execute(stmt)
account = ibm_db.fetch_assoc(stmt)
if account:
    session['loggedin'] = True
    session['username'] = account['USERNAME']
    msg = 'Logged in successfully !'
    return render_template('index.html', msg = msg)
else:
    msg = 'Incorrect username / password !'
return render_template('login.html', msg = msg)

```

```

@app.route('/logout')
def logout():
    session.pop('loggedin', None)
    session.pop('id', None)
    session.pop('username', None)
    return redirect(url_for('login'))

```

```

@app.route('/register', methods=['GET', 'POST'])
def register():
    msg = ""
    if request.method == 'POST':
        username = request.form['username']
        password = request.form['password']
        email = request.form['email']
        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 = 'Username must contain only characters and numbers !'
        elif not username or not password or not email:
            msg = 'Please fill out the form !'

```

```

else:
    insert_sql = "INSERT INTO user VALUES (?, ?, ?)"
    stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(stmt, 1, username)
    ibm_db.bind_param(stmt, 2, password)
    ibm_db.bind_param(stmt, 3, email)
    ibm_db.execute(stmt)
    msg = 'You have successfully registered !'
elif request.method == 'POST':
    msg = 'Please fill out the form !'

return render_template('register.html', msg = msg)
if __name__ == '__main__':
    app.run(debug = True)

```

OUTPUT:

Register

Already have an account? [Sign In here](#)

mysql-5.5.62-winx64.msi
register.html
login.html
Assignment-3.pdf
Show all

System Is At Risk
 Click Here To Renew Antivirus
[qyt8pi.worthyrid.com](#)

Remove viruses
Scan Now

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127.0.0.1:5000/register

Gmail YouTube Maps Jd Top 100 Schools in... SmartDraw - Create... TypingTest.com - VL... Classes WhatsApp Python for Data Sci... Campus Life: Joinin... CSE III YEAR CV GIR... Student Portal

Register

You have successfully registered !

shrimathi

.....

Enter Your Email ID

Sign Up

Already have an account? [Sign In here](#)

mysql-5.5.62-winx64.msi register.html login.html Assignment-3.pdf Show all x

(16) V x Assign x Assign x Serv x IBM D x IBM x Login x Un titl x IBM A x Assign x how t x sqlpl x local x +

127.0.0.1:5000/login

Gmail YouTube Maps Jd Top 100 Schools in... SmartDraw - Create... TypingTest.com - VL... Classes WhatsApp Python for Data Sci... Campus Life: Joinin... CSE III YEAR CV GIR... Student Portal

Login

Mathi

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Sign In

Don't have an account? [Sign Up here](#)

mysql-5.5.62-winx64.msi register.html login.html Assignment-3.pdf Show all x

[REGISTER](#) [LOGIN](#)

Hello everyone This is Shrimathi, Welcome to my Website