ASSIGNMENT-2

Flask

Assignment Date	24 September 2022
Student Name	SHAIK ARSHIYA
Roll Number	111519205042
Maximum Marks	2 Marks

- 1) Create user table with user with email, username, roll number and password
- -- Creating user table in sqlite3

```
Create table EMP(
Email varchar(51),
Username varchar(51),
Roll number int,
Password varchar(21)
```



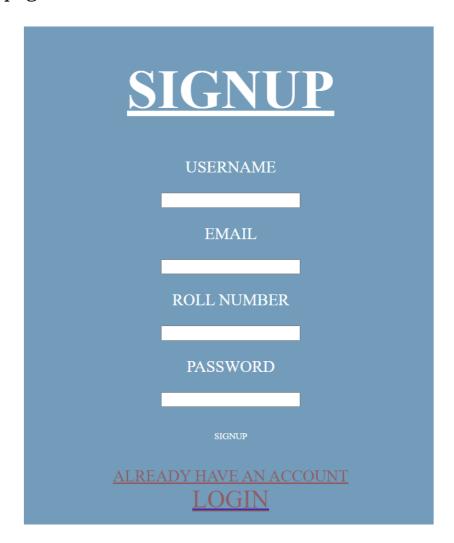
2)Perform UPDATE, DELETE Queries with user table





3) 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

Sign up page:



SIGNUP PAGE HTML CODE

```
<!DOCTYPE html>
<html lang="en">
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title style="font-family: sans-serif">Sign up</title>
<style>
   h1{
        text-align: center;
        font-size: 10ch;
        color: white;
   body{
        background-color: #659DBD;
        text-align: center;
   body{
        background-image: url("im.gif");
        background-position: center;
        background-repeat: no-repeat;
        background-size: cover;
   p{
        color: white;
        font-size: x-large;
        font-family:'Times New Roman', Times, serif;
    small{
        color:rgba(168, 61, 61, 0.71);
        font-size:3ch;
    input[type=submit] {
        background-color: rgba(0, 0, 0, 0);
        font-family: 'Times New Roman', Times, serif;
        border: none;
        color: white;
        padding: 15px 10px;
        text-decoration: none;
       margin: 2px 2px;
       cursor: pointer;
</style>
<body>
    <h1><u>SIGNUP</u></h1>
    <form method="POST" action="">
        USERNAME
        <input type="text" name="username" id="username" maxlength="25"</pre>
size="25" required>
        EMAIL
        <input type="text" name="email" id="email" maxlength="25" size="25"</pre>
required>
        ROLL NUMBER
        <input type="text" name="rno" id="rno" maxlength="25" size="25"</pre>
required>
       PASSWORD
```

SIGNUP FUCTION IN FLASK

```
@app.route("/",methods=["GET","POST"])
def signup():
    if (request.method=="POST"):
        rno = request.form.get("rno",'')
        email = request.form.get("email")
        username = request.form.get("username",'')
        password = request.form.get("password",'')

    with sqlite3.connect("users.db") as con:
        cur = con.cursor()
        cur.execute("INSERT INTO user (roll_number,email,username,password)

VALUES (?,?,?,?)",(rno,email,username,password))
        con.commit()
        return redirect(url_for('login'))
        return render_template("signup.html")
```

Login Page:



LOGIN PAGE HTML CODE

```
<!DOCTYPE html>
<html lang="en">
   <meta charset="UTF-8">
   <title>Login</title>
    <link href="style.css">
</head>
<style>
   body{
       text-align:justify;
       background-color: #41B3A3;
</style>
<body>
   <h1>LOGIN PAGE</h1> <br>
   <form method="POST" action="">
       <b>USERNAME</b>
        <input type="text" name="username" id = "username"> <br>
        <b>PASSWORD</b>
        <input type="password" name="password" id="password"> <br>
       <input type="submit" value="LOGIN">
       <small><u>New User?</u><a href="{{ url_for('signup')}</p>
}}">Signup</a></small>
</body>
</html>
```

LOGIN FUNCTION IN FLASK

```
@app.route("/login",methods=["GET","POST"])
def login():
    if request.method=="POST":
        username = request.form.get("username",'')
        password = request.form.get("password",'')
        with sqlite3.connect("users.db") as con:
            cur = con.cursor()
            cur.execute("select * from user where username=(?) and
password=(?)",(username,password))
            result = cur.fetchone()
            con.commit()
            if result==None:
                return render_template("login.html",msg="Invalid Username and
password")
            else:
                return render_template("home.html",username=result[1])
    return render template("login.html'
```

Home Page:

WELCOME TO THE HOME PAGE

HOME PAGE HTML CODE