ASSIGNMENT-2

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VV COLLEGE OF ENGINEERING

III-YEAR CSE

(TEAM LEADER)

In the last Assignment you have created index.html and profile.html. So, now in this assignment you have create two html pages and style it using css.

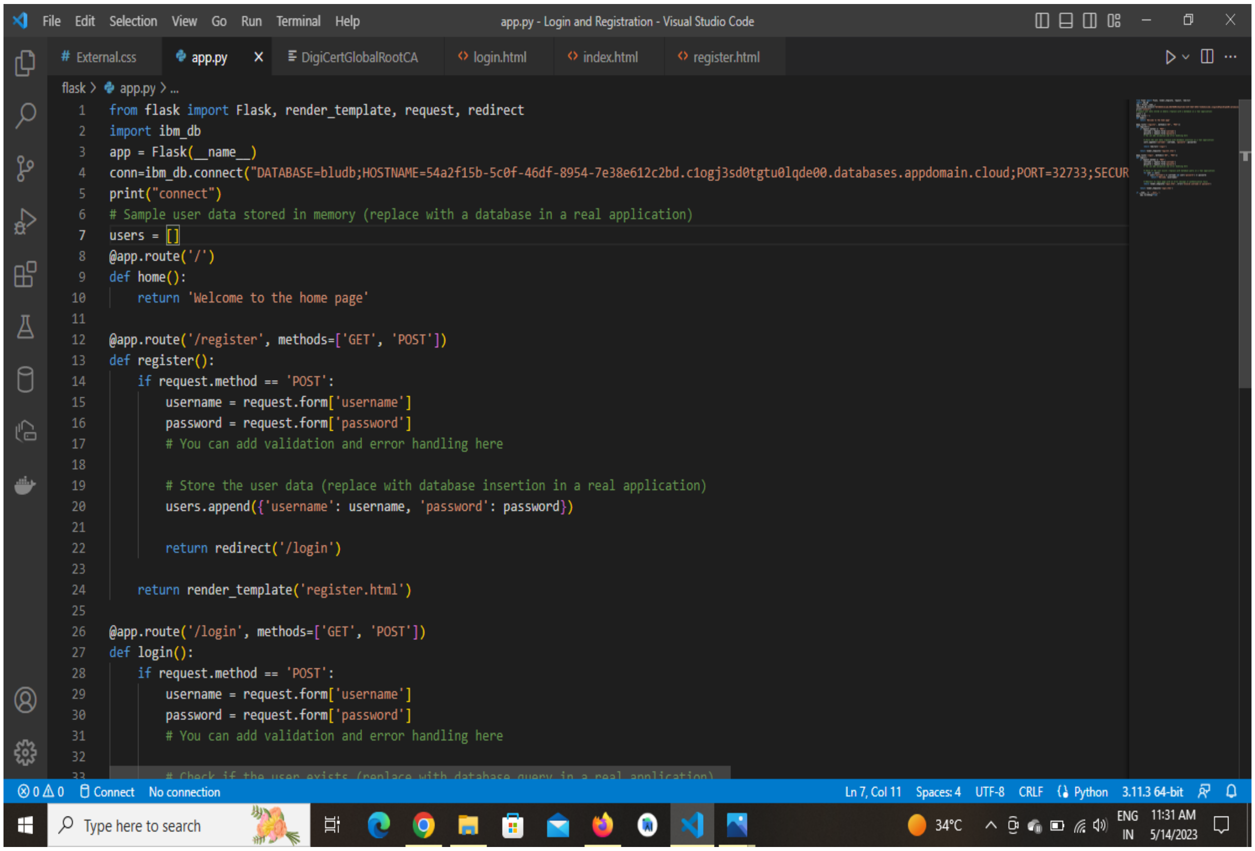
1. Login and Register html page

Task 1: You need to run the html pages in server by using Flask web framework

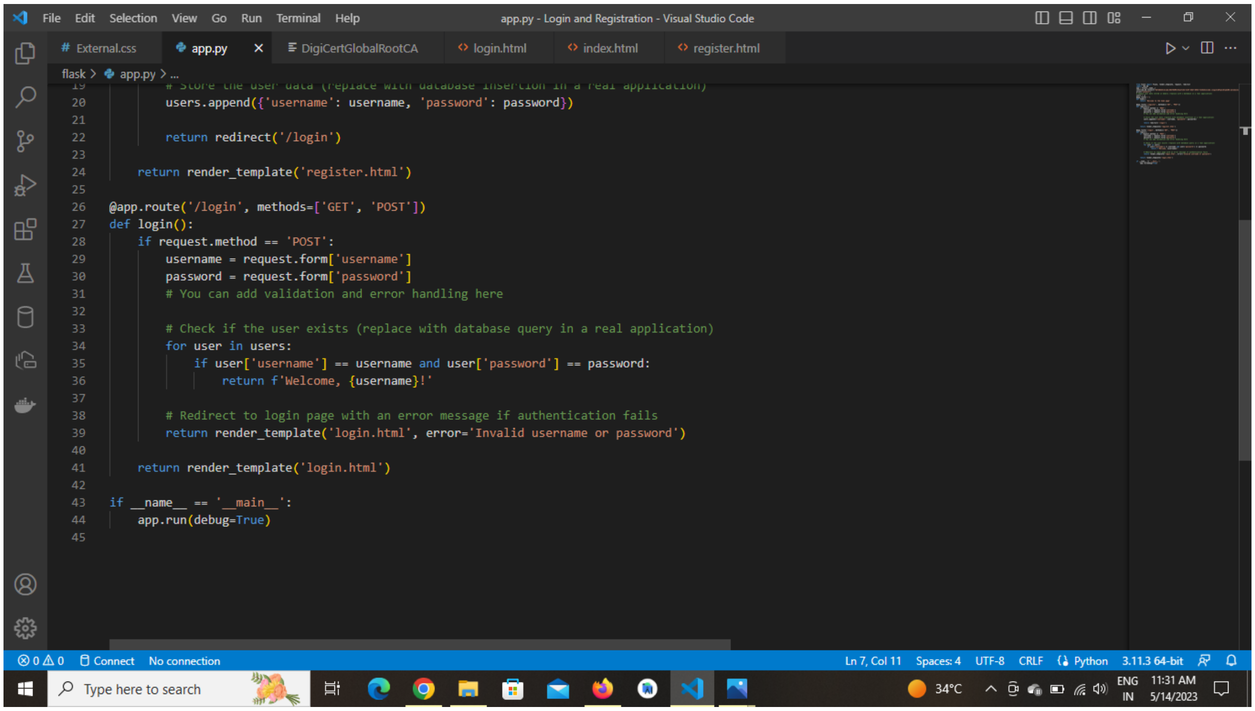
Task 2: Store the user registration details in IBM DB2

Task 3: while user logging in do the login validation (checking the login credentials is correct or not)

App.py:

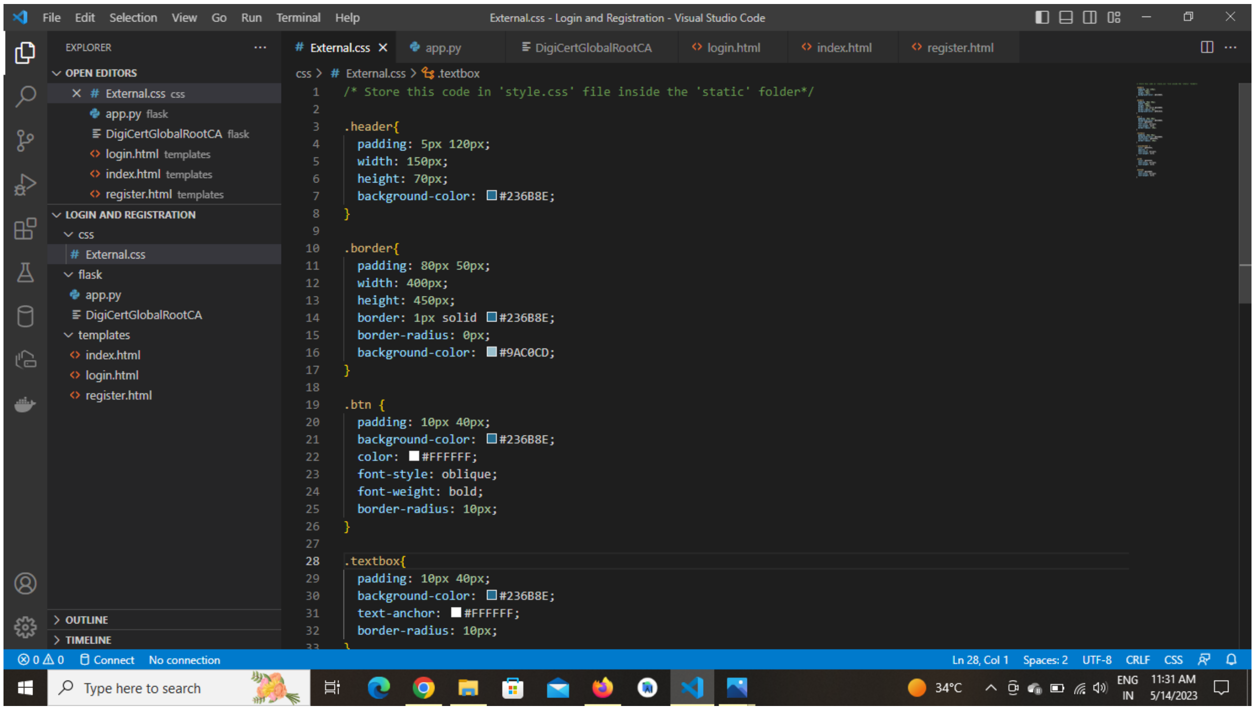


```python
from flask import Flask, render_template, request, redirect
import ibm_db
app = Flask(__name__)
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-46df-8954-7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32733;SECUR
print("connect")
# Sample user data stored in memory (replace with a database in a real application)
users = []
@app.route('/')
def home():
    return 'Welcome to the home page'

@app.route('/register', methods=['GET', 'POST'])
def register():
    if request.method == 'POST':
        username = request.form['username']
        password = request.form['password']
        # You can add validation and error handling here

        # Store the user data (replace with database insertion in a real application)
        users.append({'username': username, 'password': password})

        return redirect('/login')

    return render_template('register.html')

@app.route('/login', methods=['GET', 'POST'])
def login():
    if request.method == 'POST':
        username = request.form['username']
        password = request.form['password']
        # You can add validation and error handling here

        # Check if the user exists (replace with database query in a real application)
```

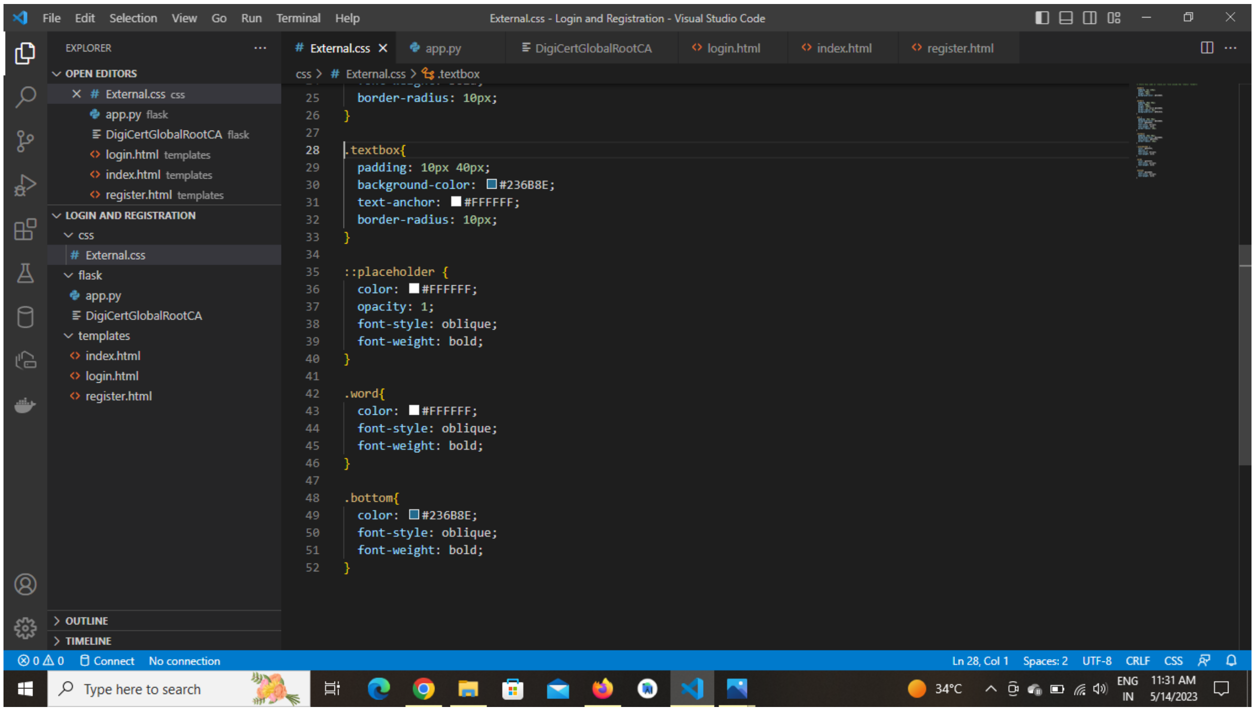


```python
        # Store the user data (replace with database insertion in a real application)
        users.append({'username': username, 'password': password})

        return redirect('/login')

    return render_template('register.html')

@app.route('/login', methods=['GET', 'POST'])
def login():
    if request.method == 'POST':
        username = request.form['username']
        password = request.form['password']
        # You can add validation and error handling here

        # Check if the user exists (replace with database query in a real application)
        for user in users:
            if user['username'] == username and user['password'] == password:
                return f'Welcome, {username}!'

        # Redirect to login page with an error message if authentication fails
        return render_template('login.html', error='Invalid username or password')

    return render_template('login.html')

if __name__ == '__main__':
    app.run(debug=True)
```

External.css

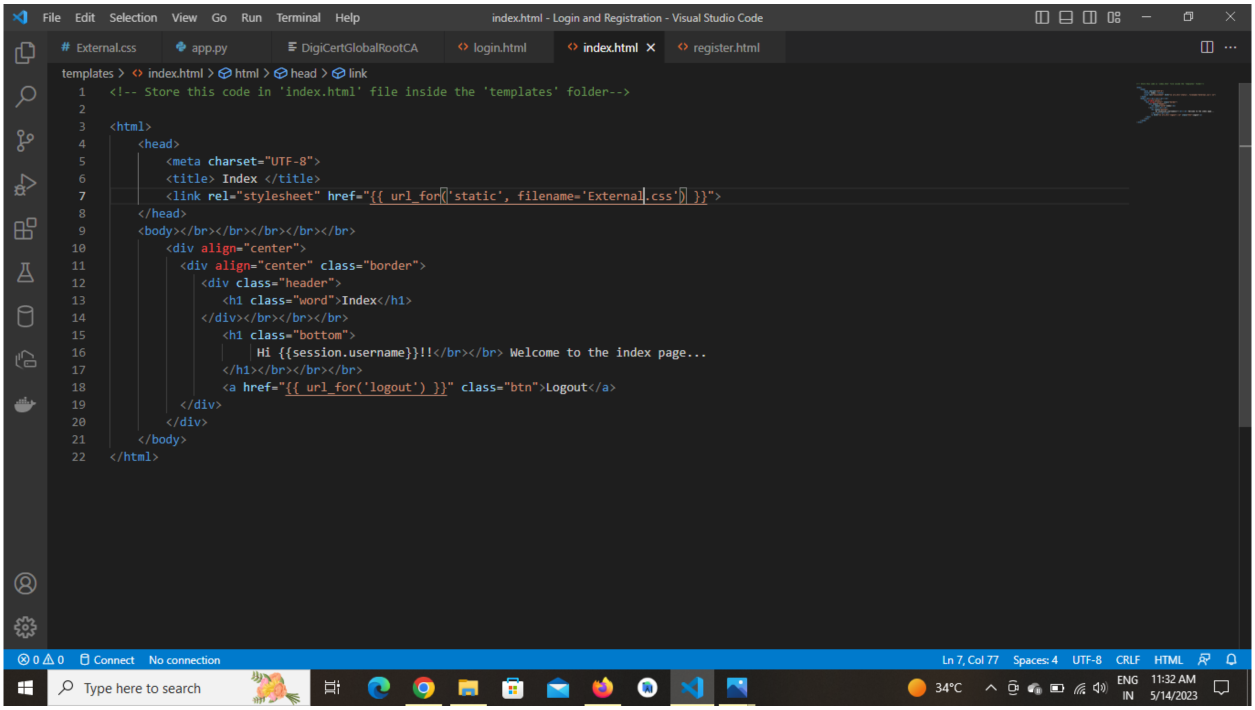


```css
/* Store this code in 'style.css' file inside the 'static' folder*/

.header{
  padding: 5px 120px;
  width: 150px;
  height: 70px;
  background-color: #236B8E;
}

.border{
  padding: 80px 50px;
  width: 400px;
  height: 450px;
  border: 1px solid #236B8E;
  border-radius: 0px;
  background-color: #9AC0CD;
}

.btn {
  padding: 10px 40px;
  background-color: #236B8E;
  color: #FFFFFF;
  font-style: oblique;
  font-weight: bold;
  border-radius: 10px;
}

.textbox{
  padding: 10px 40px;
  background-color: #236B8E;
  text-anchor: #FFFFFF;
  border-radius: 10px;
}
```



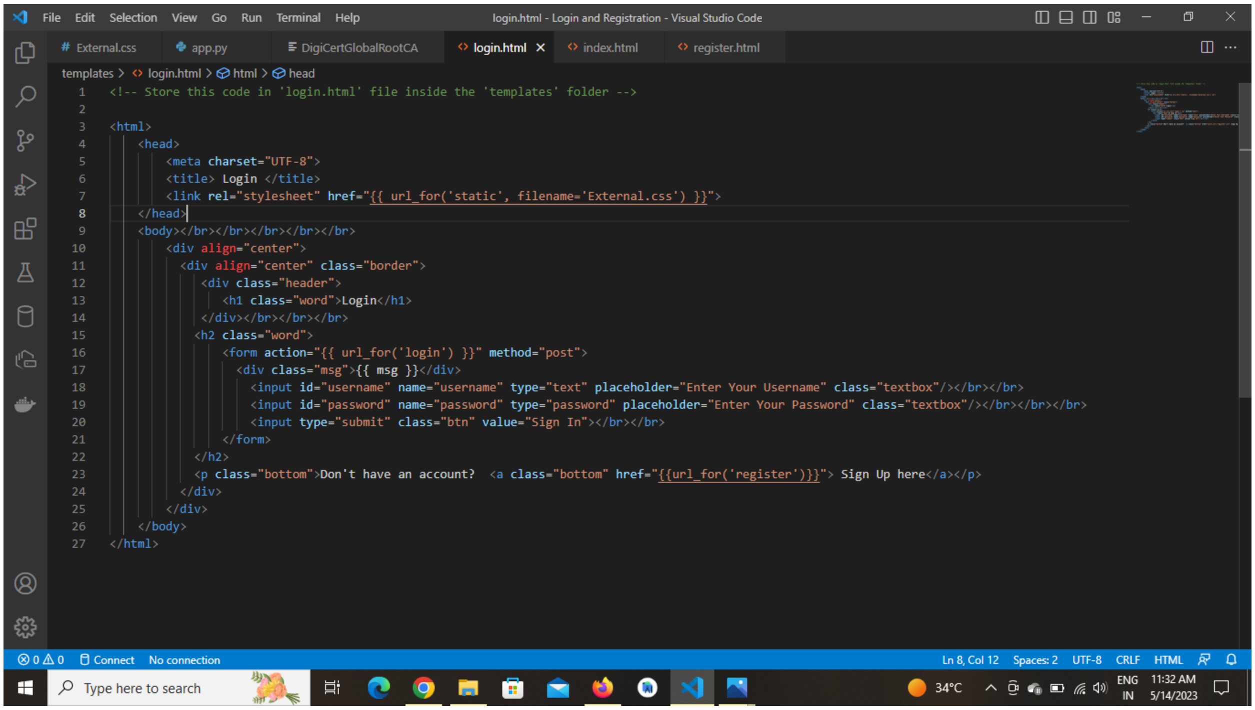
```css
  border-radius: 10px;
}

.textbox{
  padding: 10px 40px;
  background-color: #236B8E;
  text-anchor: #FFFFFF;
  border-radius: 10px;
}

::placeholder {
  color: #FFFFFF;
  opacity: 1;
  font-style: oblique;
  font-weight: bold;
}

.word{
  color: #FFFFFF;
  font-style: oblique;
  font-weight: bold;
}

.bottom{
  color: #236B8E;
  font-style: oblique;
  font-weight: bold;
}
```

Index.html



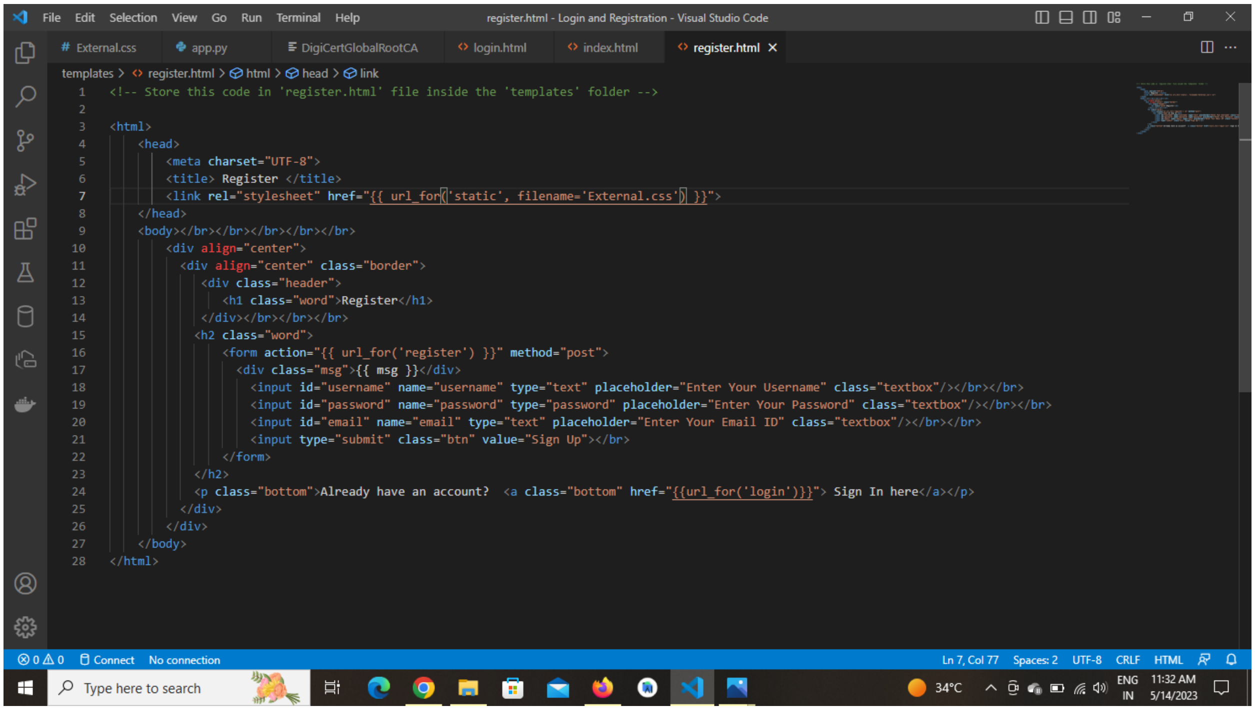
```html
<!-- Store this code in 'index.html' file inside the 'templates' folder-->

<html>
    <head>
        <meta charset="UTF-8">
        <title> Index </title>
        <link rel="stylesheet" href="{{ url_for('static', filename='External.css') }}">
    </head>
    <body></br></br></br></br></br>
        <div align="center">
          <div align="center" class="border">
             <div class="header">
                <h1 class="word">Index</h1>
             </div></br></br></br>
                <h1 class="bottom">
                     Hi {{session.username}}!!</br></br> Welcome to the index page...
                </h1></br></br></br>
                <a href="{{ url_for('logout') }}" class="btn">Logout</a>
          </div>
        </div>
    </body>
</html>
```

Login.html



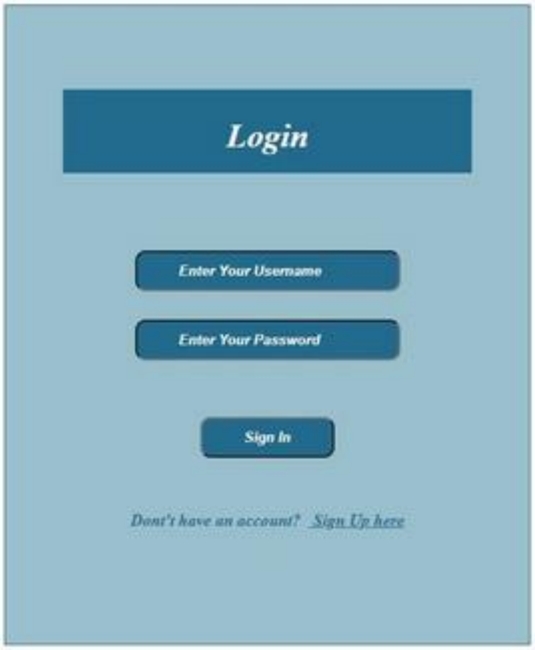
```html
<!-- Store this code in 'login.html' file inside the 'templates' folder -->

<html>
    <head>
        <meta charset="UTF-8">
        <title> Login </title>
        <link rel="stylesheet" href="{{ url_for('static', filename='External.css') }}">
    </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

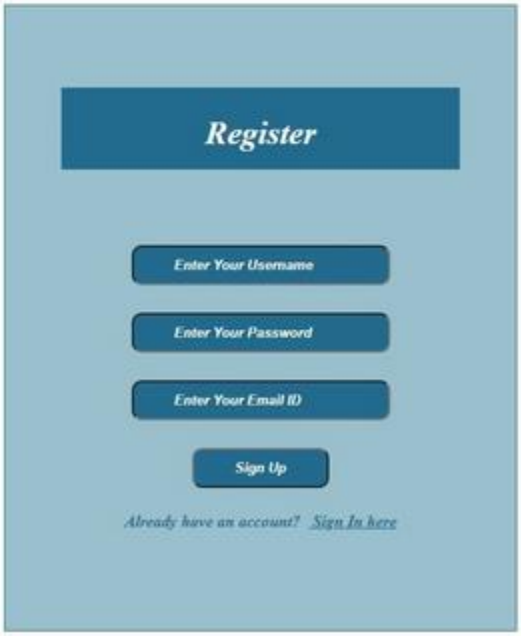


```html
<!-- Store this code in 'register.html' file inside the 'templates' folder -->

<html>
    <head>
        <meta charset="UTF-8">
        <title> Register </title>
        <link rel="stylesheet" href="{{ url_for('static', filename='External.css') }}">
    </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>
            <p class="bottom">Already have an account?  <a class="bottom" href="{{url_for('login')}}"> Sign In here</a></p>
          </div>
        </div>
    </body>
</html>
```

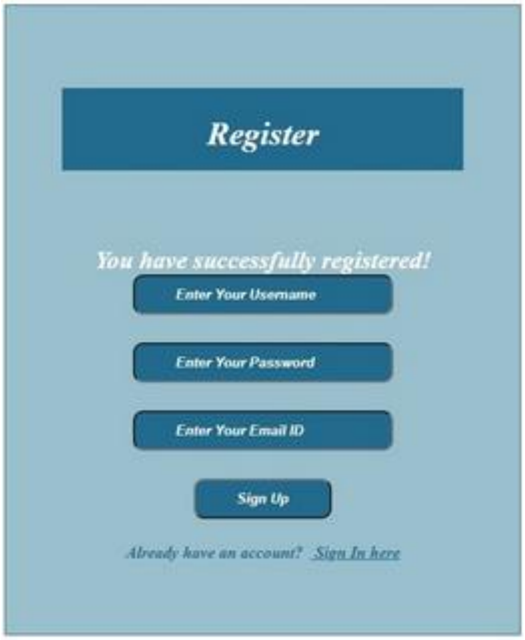
Login page:



Registration page:



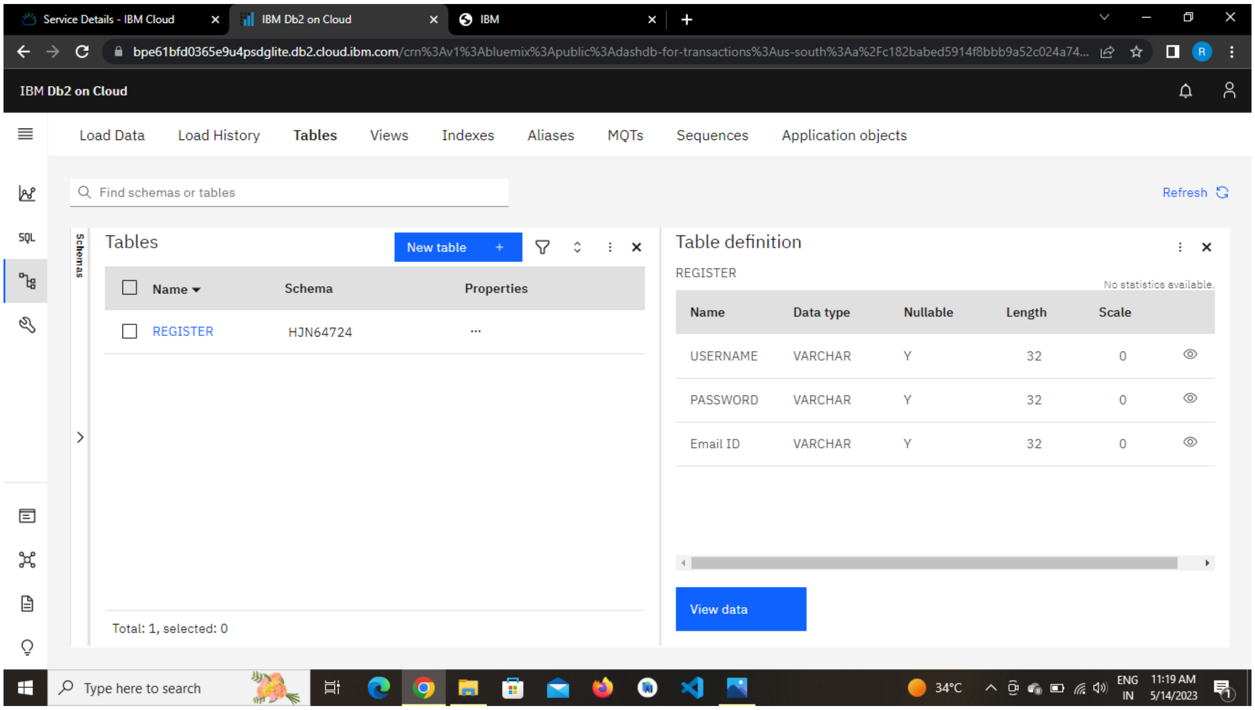
If registration successful:



You have successfully registered!

Already have an account? Sign In here

Database Table:



Tables

	Name	Schema	Properties
□	REGISTER	HJN64724	···

Total: 1, selected: 0

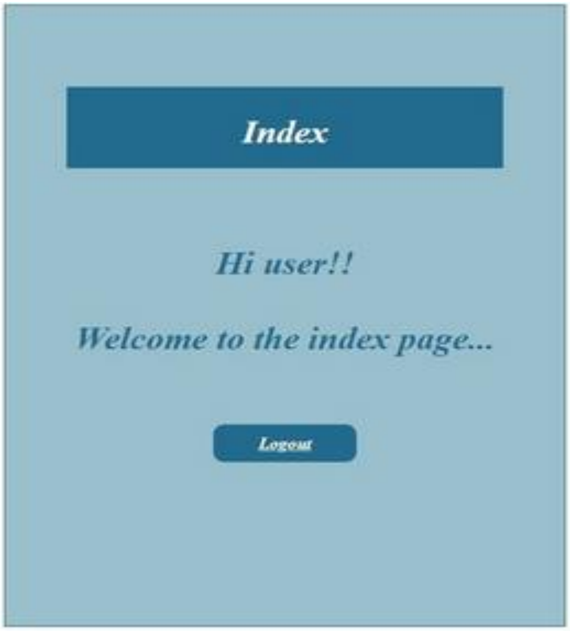
Table definition

REGISTER

No statistics available.

Name	Data type	Nullable	Length	Scale
USERNAME	VARCHAR	Y	32	0
PASSWORD	VARCHAR	Y	32	0
Email ID	VARCHAR	Y	32	0

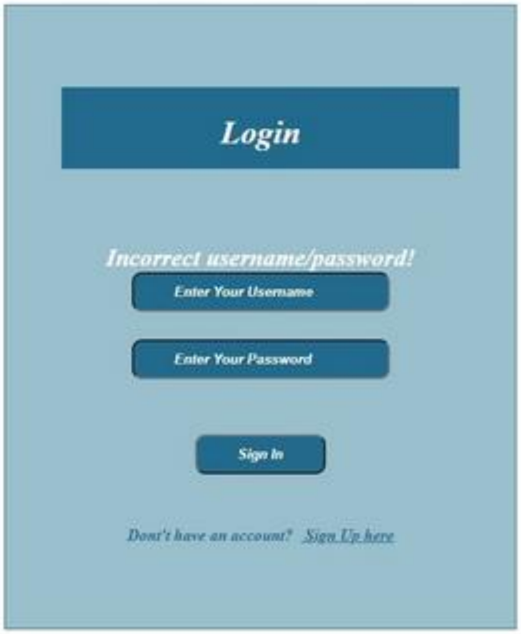
If login successful:



Hi user!!

Welcome to the index page...

Index page is displayed:



Incorrect username/password!

Don't have an account? Sign Up here