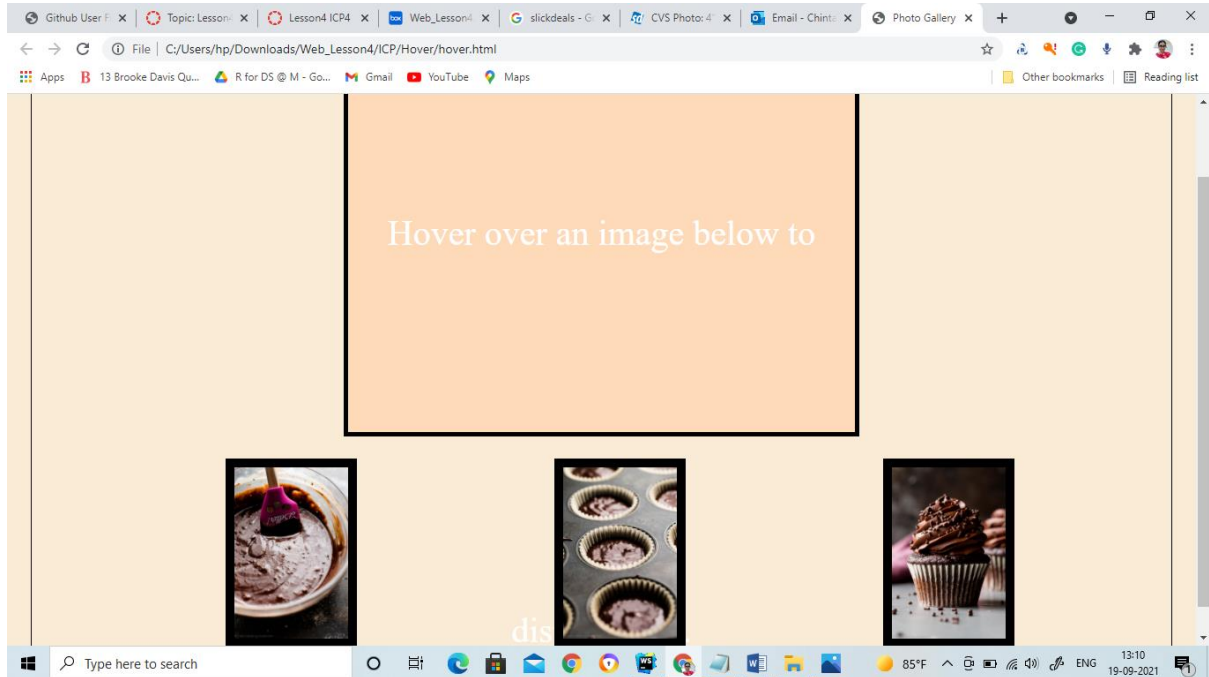


# ICP -4

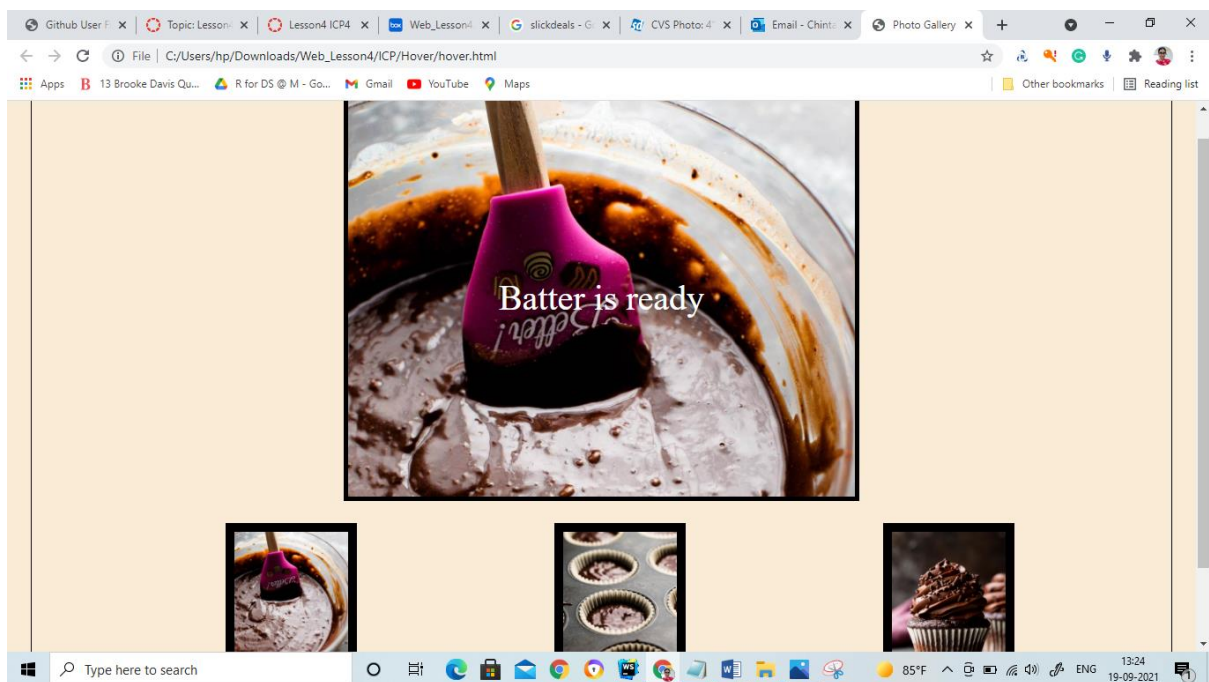
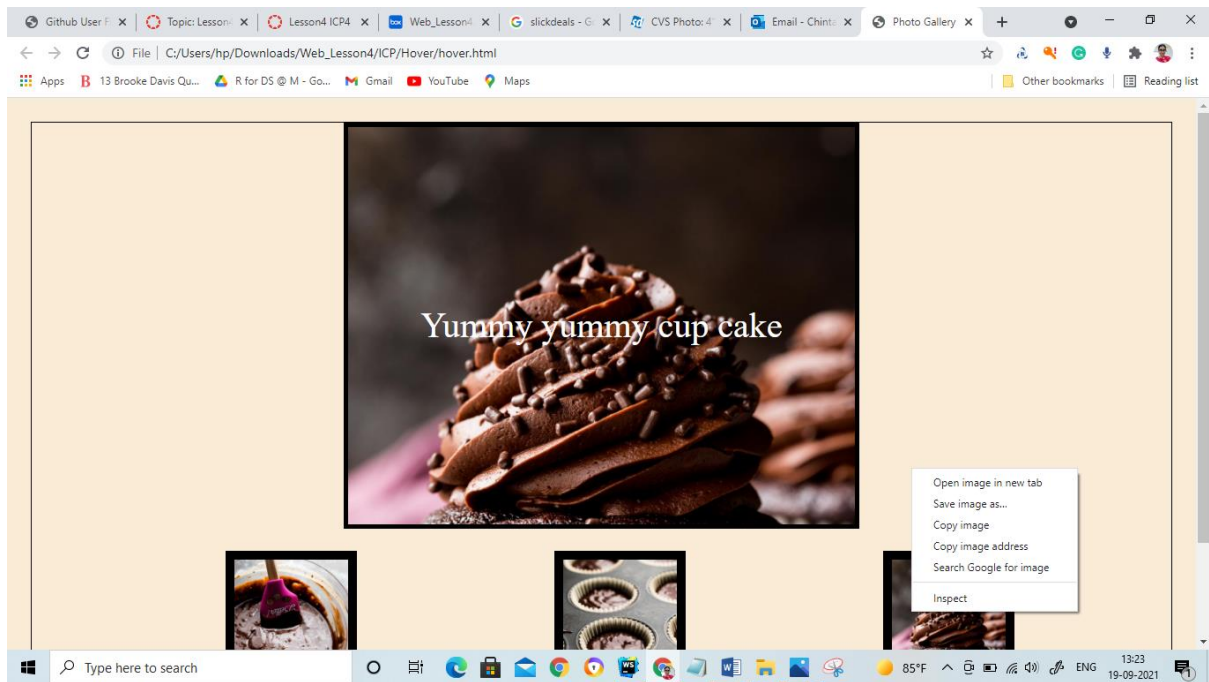
## Task 1:

Hover Image: In this task html page is given as below



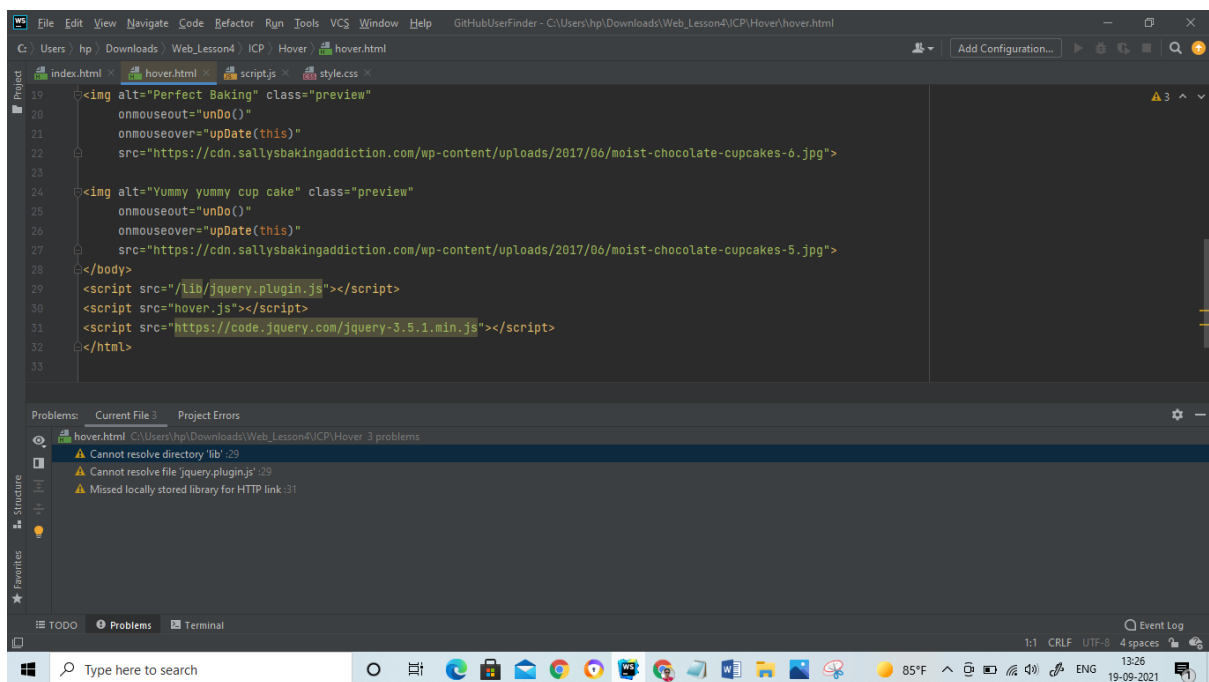
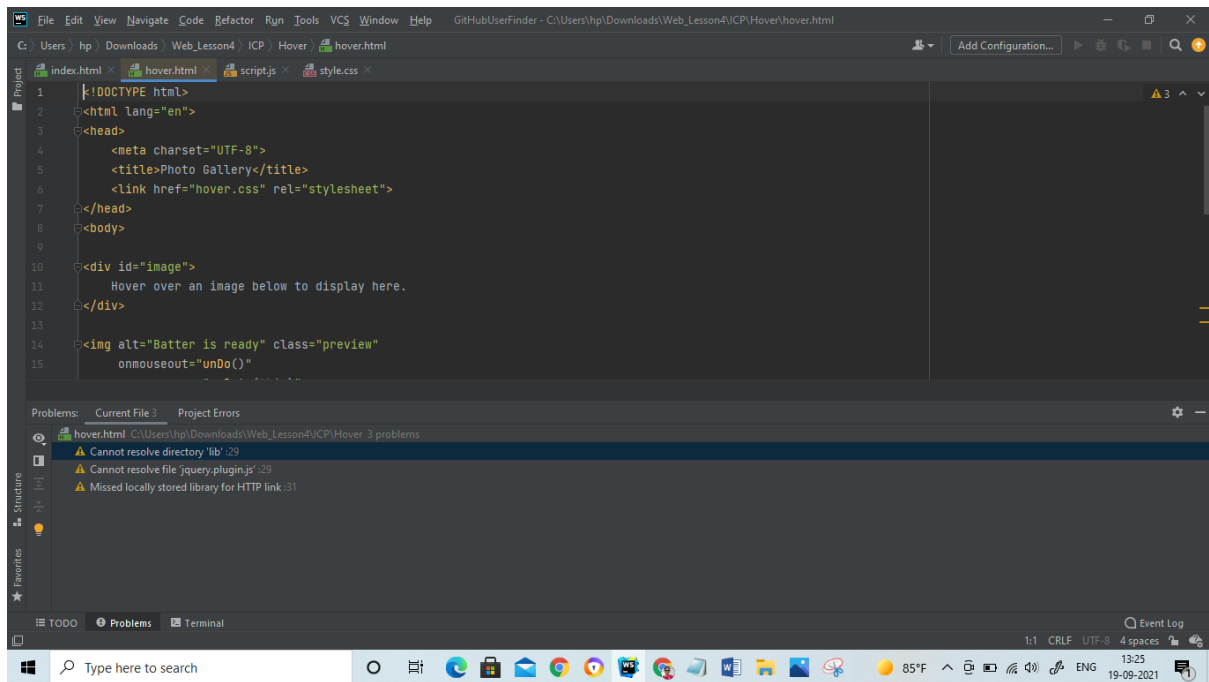
By the image you can see the top layout is empty and whenever you hover over the below images it should display this image along with that it should also display the text of that image.

**The output of the task:**

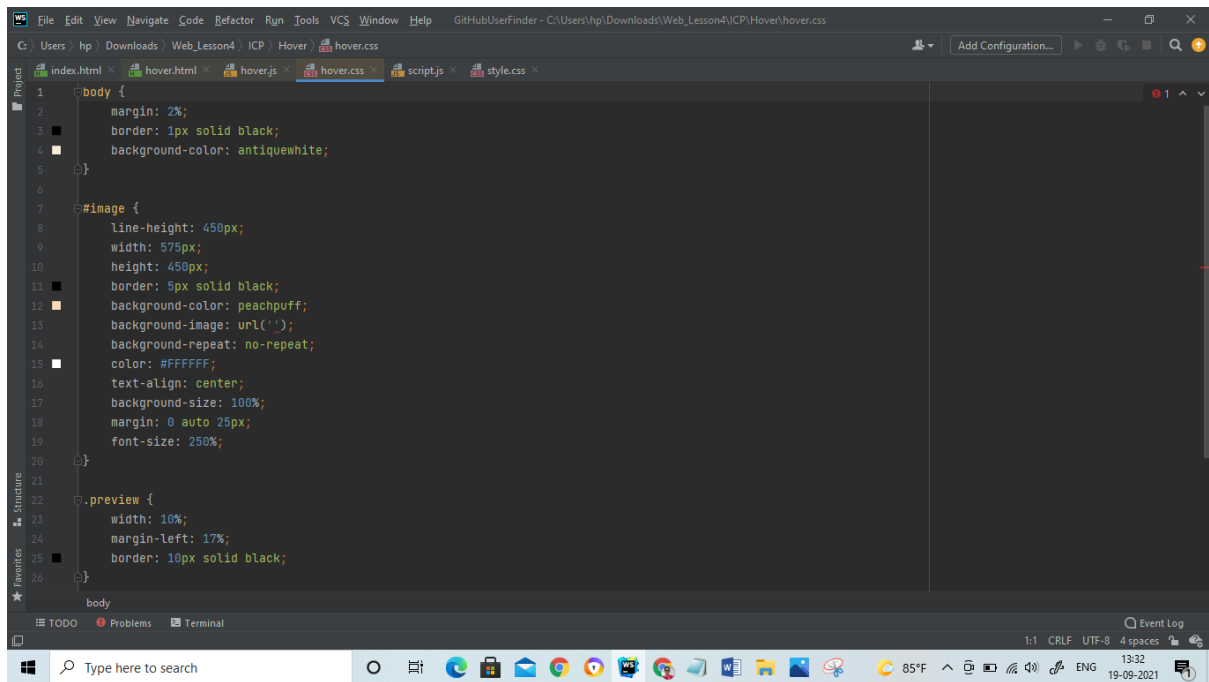


**The code for the task:**

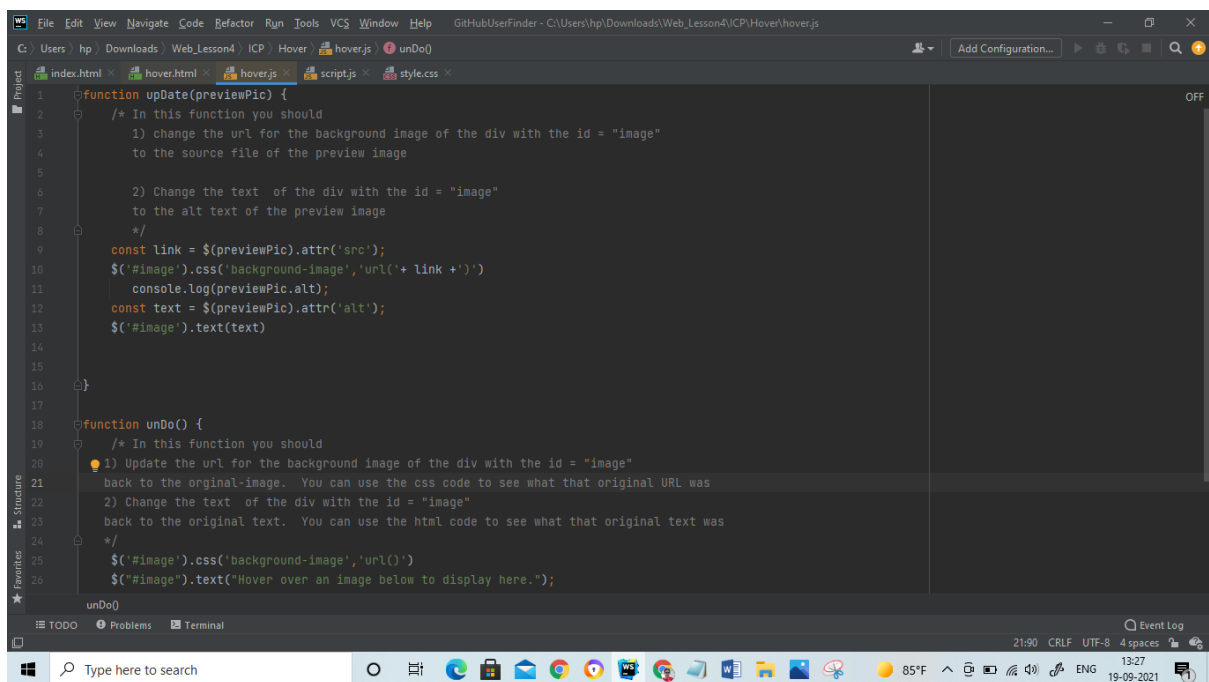
**The html page**



Css :



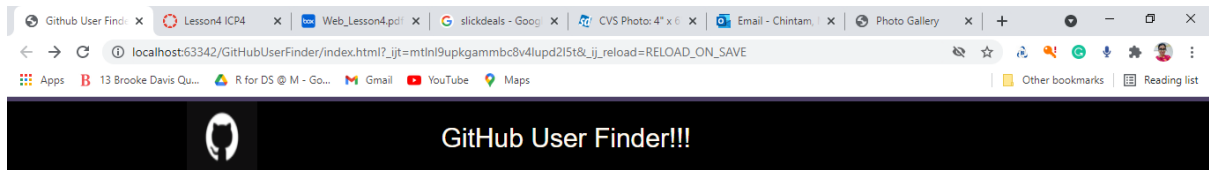
The JavaScript file :



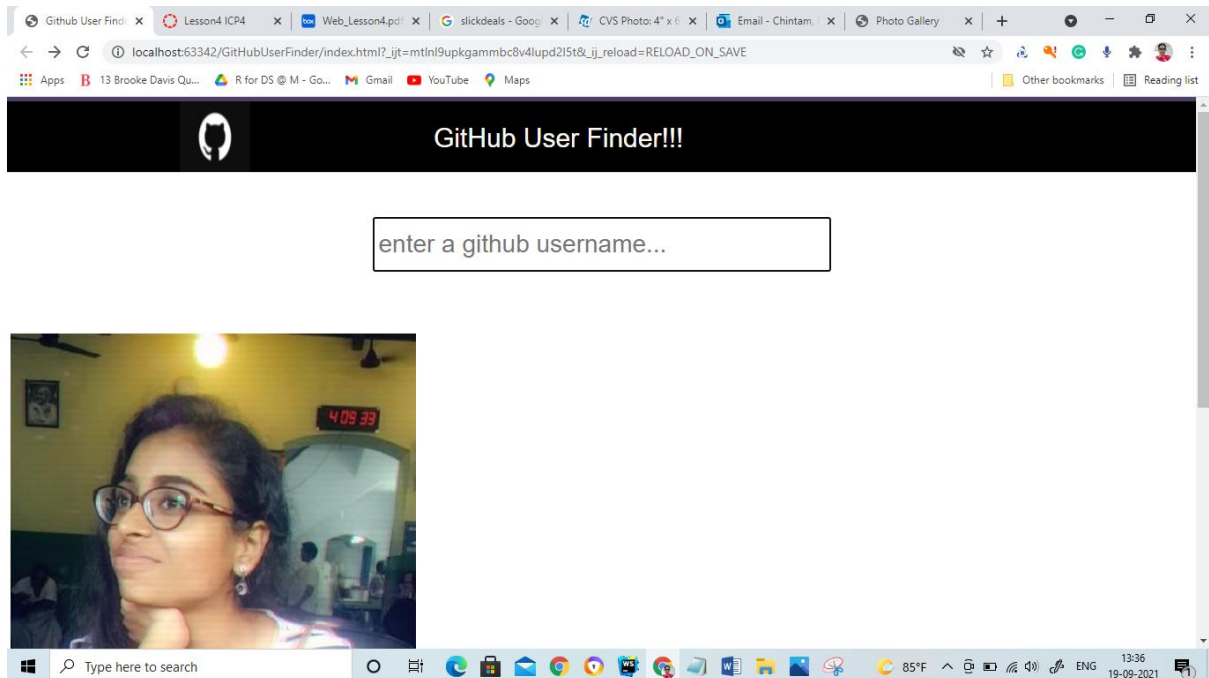
In the update(PreviewPic) function we are replacing the background image with the current image it is hover over first line we are creating a variable link and assigning the current hover image and along with that we are also changing the text with the alt value of the current hover image.

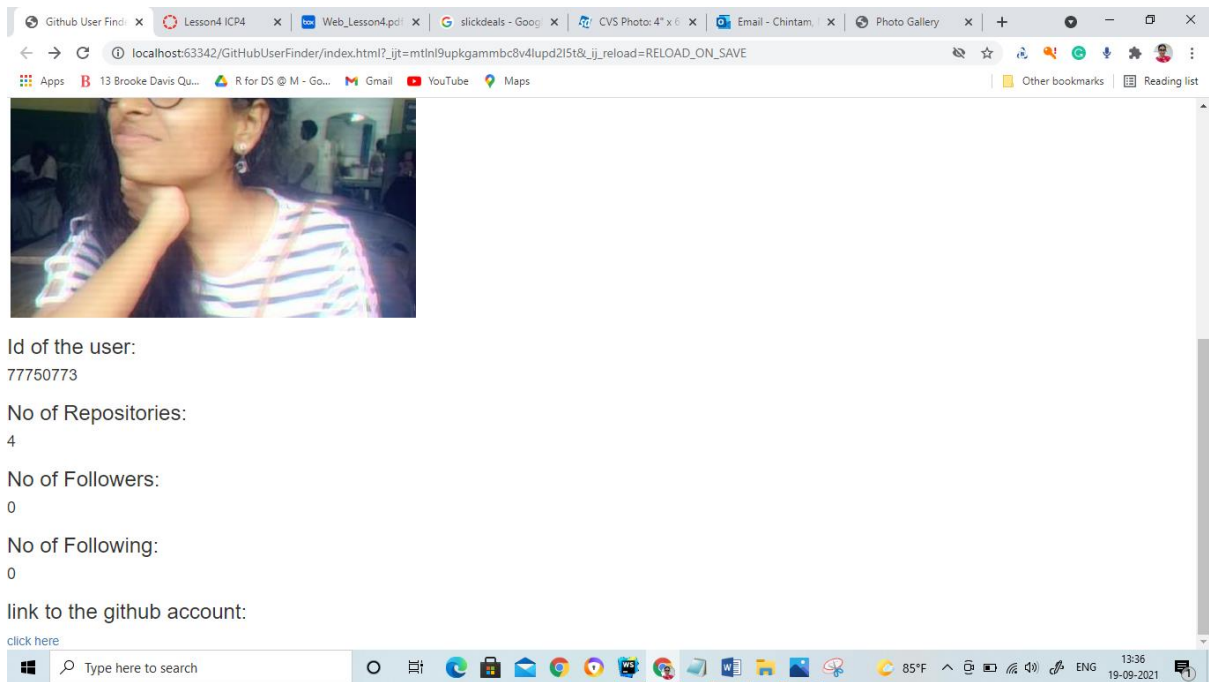
## TASK-2

In this task we are finding the GitHub user finder application. In this when you search for the GitHub user you are able to find the user details.



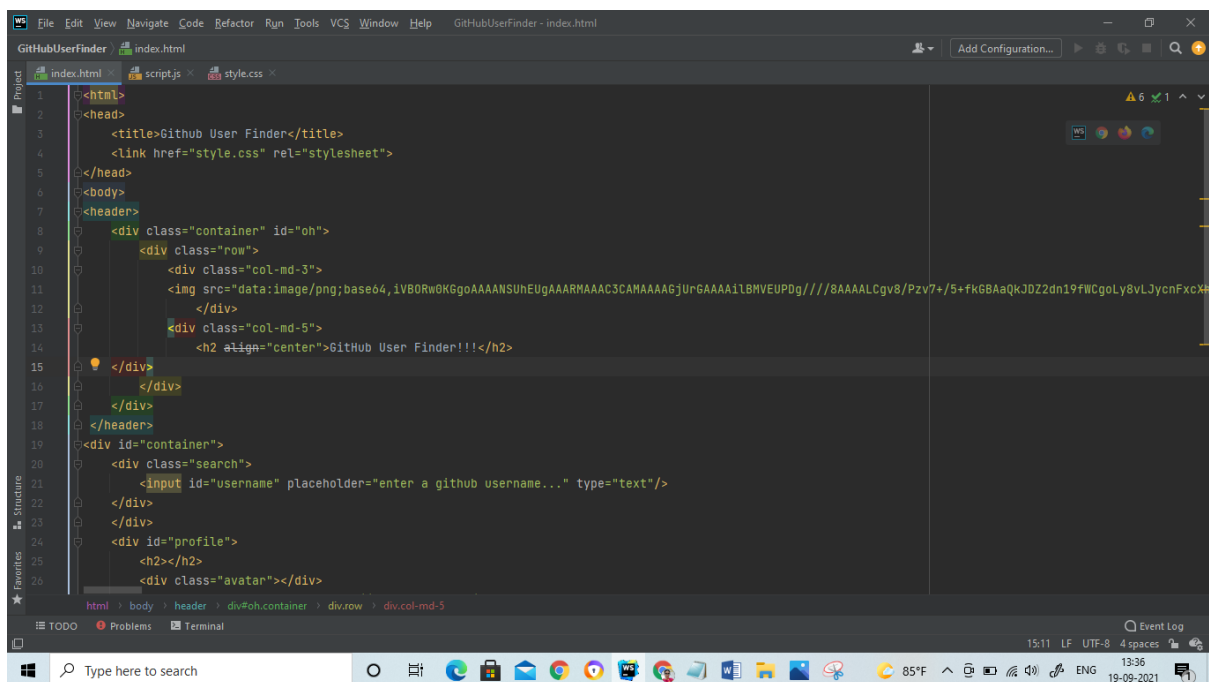
### The Output of the task:





## The code explanation:

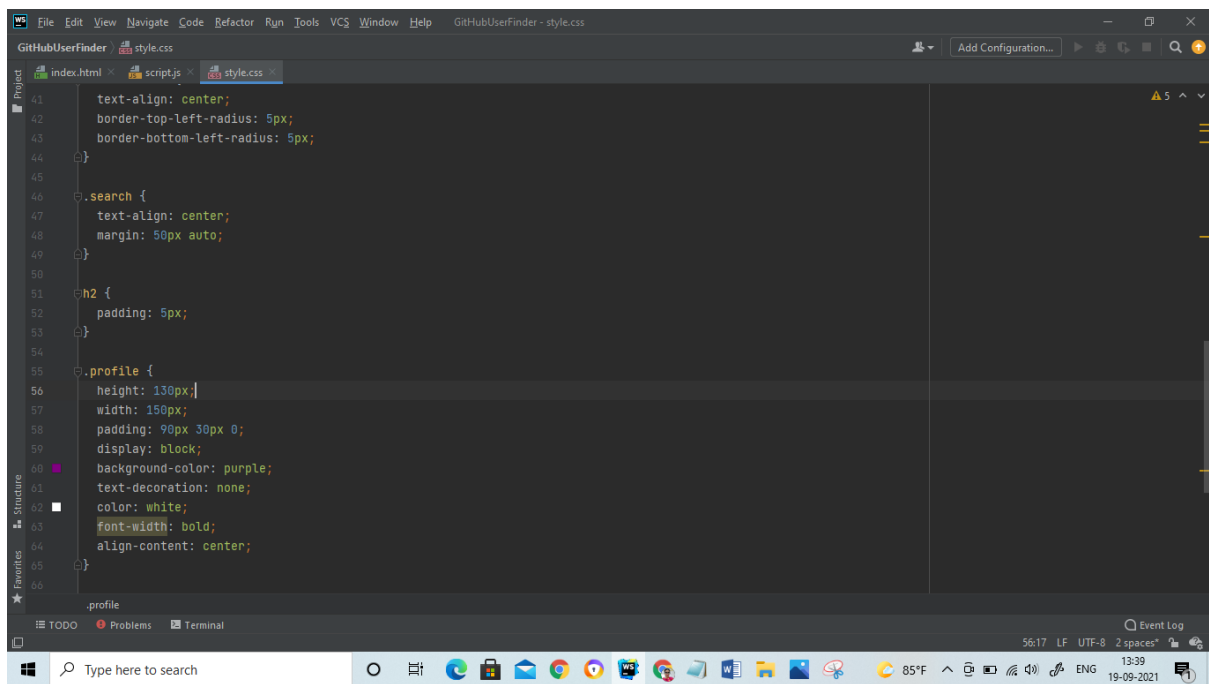
### Html file:



```
22 </div>
23 </div>
24 <div id="profile">
25   <h2></h2>
26   <div class="avatar"></div>
27   </h4>
30   <h3>No of Repositories:</h3>
31   <h4 id="num"></h4>
32   <h3>No of Followers:</h3>
33   <h4 id="followers"> </h4>
34   <h3>No of Following:</h3>
35   <h4 id="following"> </h4>
36   <h3> link to the github account:</h3>
37   <a href="" id="account" >click here</a>
38 </div>
39 <div id="no">
40 </div>
41 <script src="jquery.js" type="text/javascript"></script>
42 <script src="script.js" type="text/javascript"></script>
43 <Link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
44 <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
45 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
46 </body>
47 </html>
```

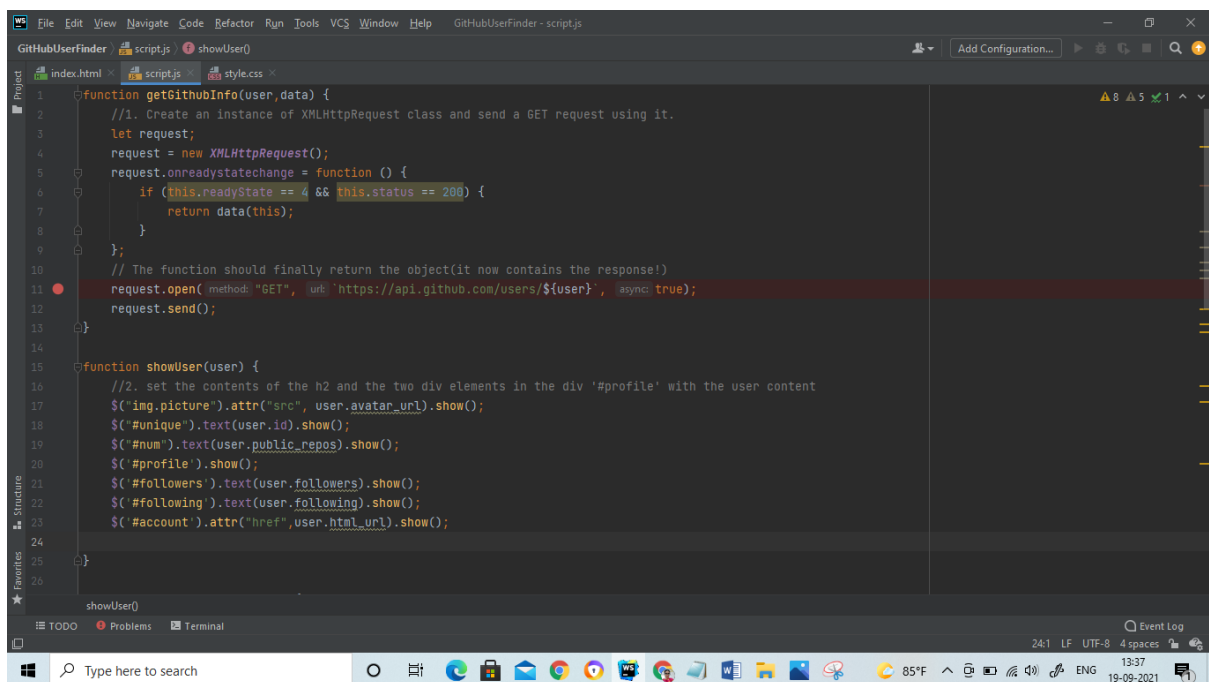
**CSS File:** different styling of various html elements are shown below.

```
1 body {
2   font-family: Helvetica, Arial, sans-serif;
3   border-top: 5px solid #4c4060;
4   margin: 0px auto;
5   font-size: 14px;
6   color: #a0c9d7;
7   font-size: 16px;
8 }
9
10 header {
11   text-align: center;
12   background-color: black;
13   border-bottom: 1px solid #e5e2e0;
14 }
15
16 #logo {
17   position: relative;
18   top: -2px;
19 }
20
21 #container {
22   width: 1040px;
23   margin: 0px auto;
24   min-height: 50px;
25   text-align: center;
26 }
27
28 #profile
```



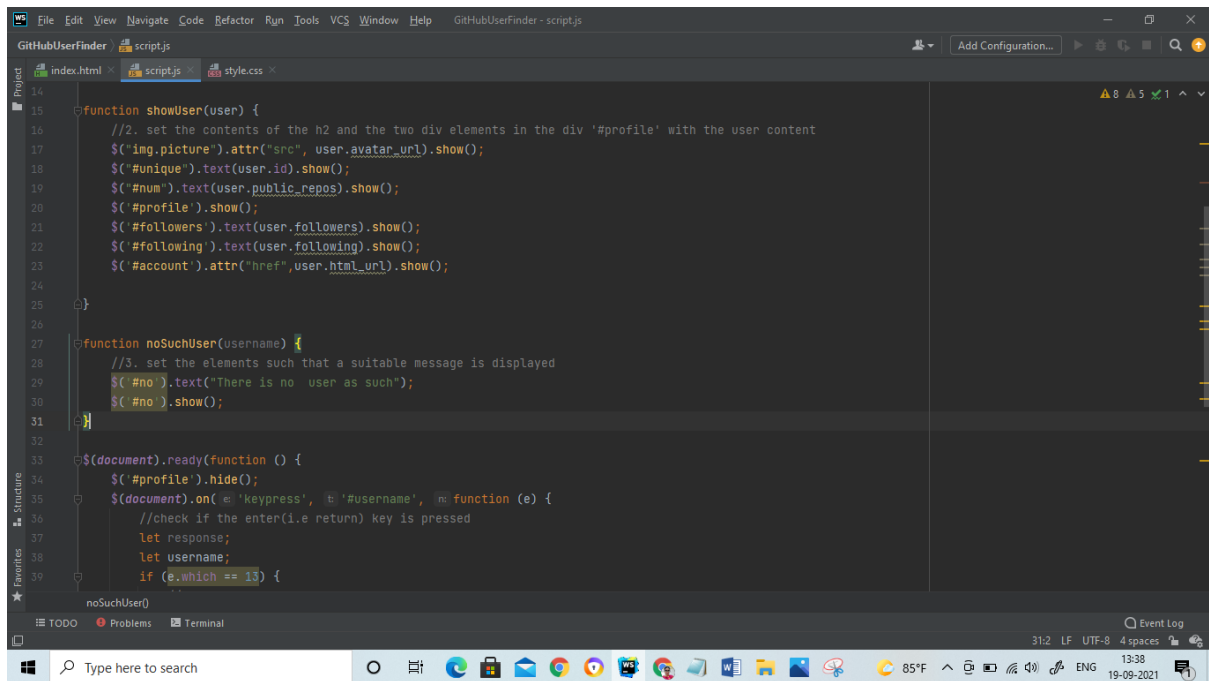
## The JavaScript File:

The functionality of the whole task lies below and in the `getGithubInfo()` function first we are creating a `XMLHttpRequest` class and we are checking the status of the request if `this.readyState==4` means that the request has been accepted and response is ready and if `this.readyState==200` it basically means that the status of the request is ok it satisfies.



Now for returning the object we are using the below two lines of



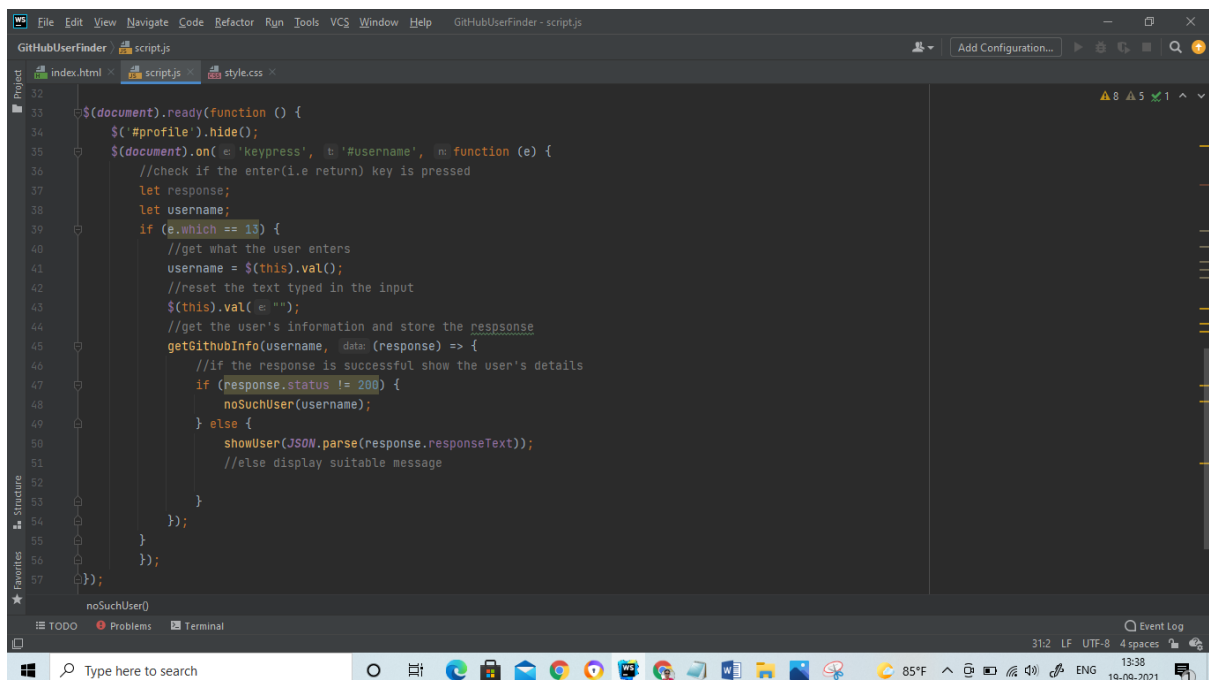


```
14
15 function showUser(user) {
16     //2. set the contents of the h2 and the two div elements in the div '#profile' with the user content
17     $('img.picture').attr("src", user.avatar_url).show();
18     $('#unique').text(user.id).show();
19     $('#num').text(user.public_repos).show();
20     $('#profile').show();
21     $('#followers').text(user.followers).show();
22     $('#following').text(user.following).show();
23     $('#account').attr("href", user.html_url).show();
24
25 }
26
27 function noSuchUser(username) {
28     //3. set the elements such that a suitable message is displayed
29     $('#no').text("There is no user as such");
30     $('#no').show();
31 }
32
33 $(document).ready(function () {
34     $('#profile').hide();
35     $(document).on('keypress', '#username', function (e) {
36         //check if the enter(i.e return) key is pressed
37         let response;
38         let username;
39         if (e.which == 13) {
40             noSuchUser();
41         }
42     });
43 });
```

## In Show user () function

First we are showing the div element that we have hided and in image tag of the picture class we are replacing the src value to the GitHub user's avatar and we are replacing html elements contents with the user details.

If there are no users with that username.it would display the No users found



```
32
33 $(document).ready(function () {
34     $('#profile').hide();
35     $(document).on('keypress', '#username', function (e) {
36         //check if the enter(i.e return) key is pressed
37         let response;
38         let username;
39         if (e.which == 13) {
40             //get what the user enters
41             username = $(this).val();
42             //reset the text typed in the input
43             $(this).val("");
44             //get the user's information and store the response
45             getGithubInfo(username, data: (response) => {
46                 //if the response is successful show the user's details
47                 if (response.status != 200) {
48                     noSuchUser(username);
49                 } else {
50                     showUser(JSON.parse(response.responseText));
51                     //else display suitable message
52                 }
53             });
54         }
55     });
56 });
57
```

We are hiding the profile class