

# ICP4 Assignment

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Class ID : 6

### Goal of Assignment :

The main aspect of the assignment is to learn and understand object-oriented JavaScript with jQuery. To write the basic coding part of JavaScript and build the web-application.

Below are the screenshots for the both the tasks:

Task-1:

1) In this, the empty background frame needs to show the images we hover on. Once the mouse pointer shows an image in the web page, that should be reflected. In this task, basically HTML, javascript and CSS need to be used.

Below are the supporting screenshots for the same:

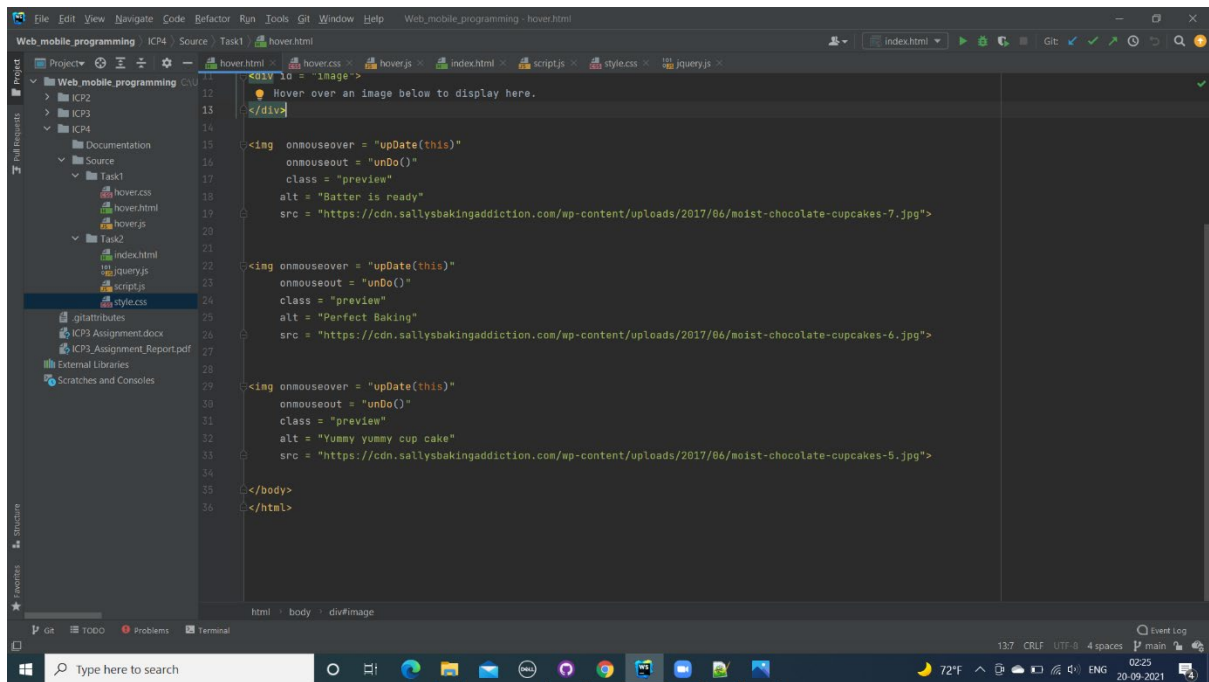
### HTML Code :

The screenshot shows a VS Code editor with a project named 'Web\_mobile\_programming'. The project structure is visible in the left sidebar, showing folders for 'ICP2', 'ICP3', 'ICP4', 'Documentation', 'Source', and 'Task1'. The 'Task1' folder contains files like 'hover.css', 'hover.html', 'hover.js', 'index.html', 'jquery.js', 'script.js', and 'style.css'. The 'hover.html' file is open in the editor, displaying the following HTML code:

```

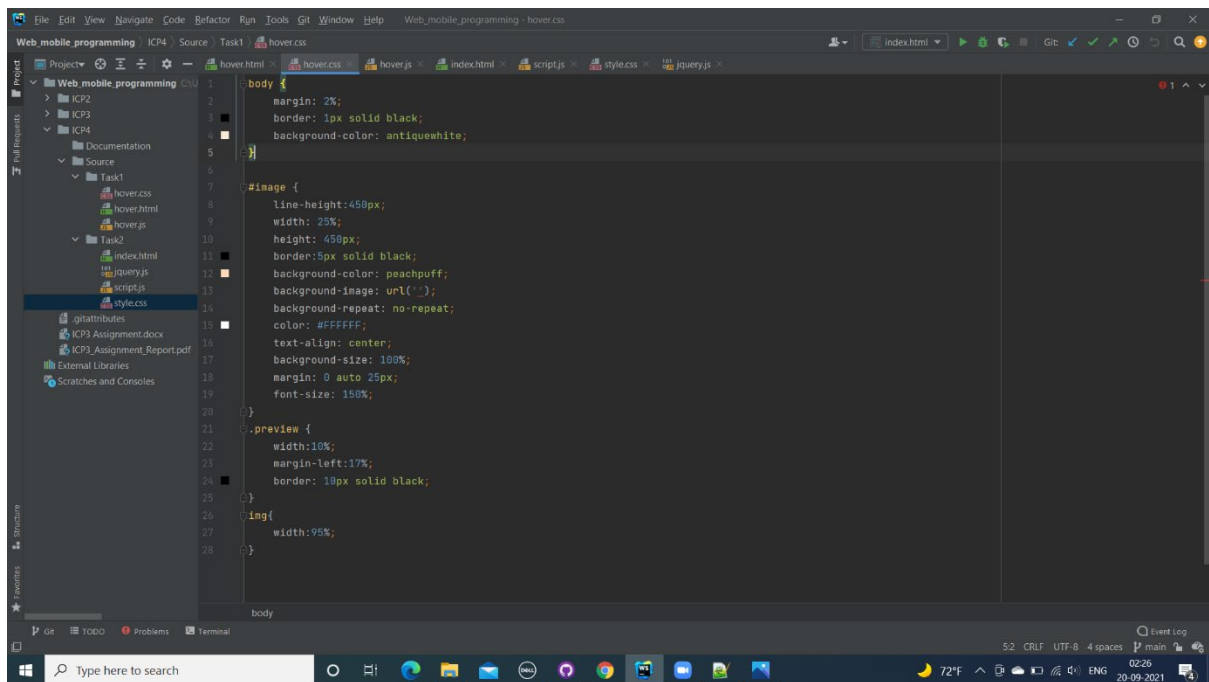
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Photo Gallery</title>
6   <link rel="stylesheet" href="hover.css">
7   <script src = "hover.js"></script>
8 </head>
9 <body>
10
11   <div id = "image">
12     Hover over an image below to display here.
13   </div>
14
15   <img onmouseover = "update(this)"
16       onmouseout = "undo()"
17       class = "preview"
18       alt = "Batter is ready"
19       src = "https://cdn.sallysbakingaddiction.com/wp-content/uploads/2017/06/moist-chocolate-cupcakes-7.jpg">
20
21
22   <img onmouseover = "update(this)"
23       onmouseout = "undo()"
24       class = "preview"
25       alt = "Perfect Baking"
26       src = "https://cdn.sallysbakingaddiction.com/wp-content/uploads/2017/06/moist-chocolate-cupcakes-6.jpg">
27
28
29   <img onmouseover = "update(this)"
30       onmouseout = "undo()"
31       alt = "Batter is ready"
32       src = "https://cdn.sallysbakingaddiction.com/wp-content/uploads/2017/06/moist-chocolate-cupcakes-7.jpg">
33
34 </body>
35 </html>

```



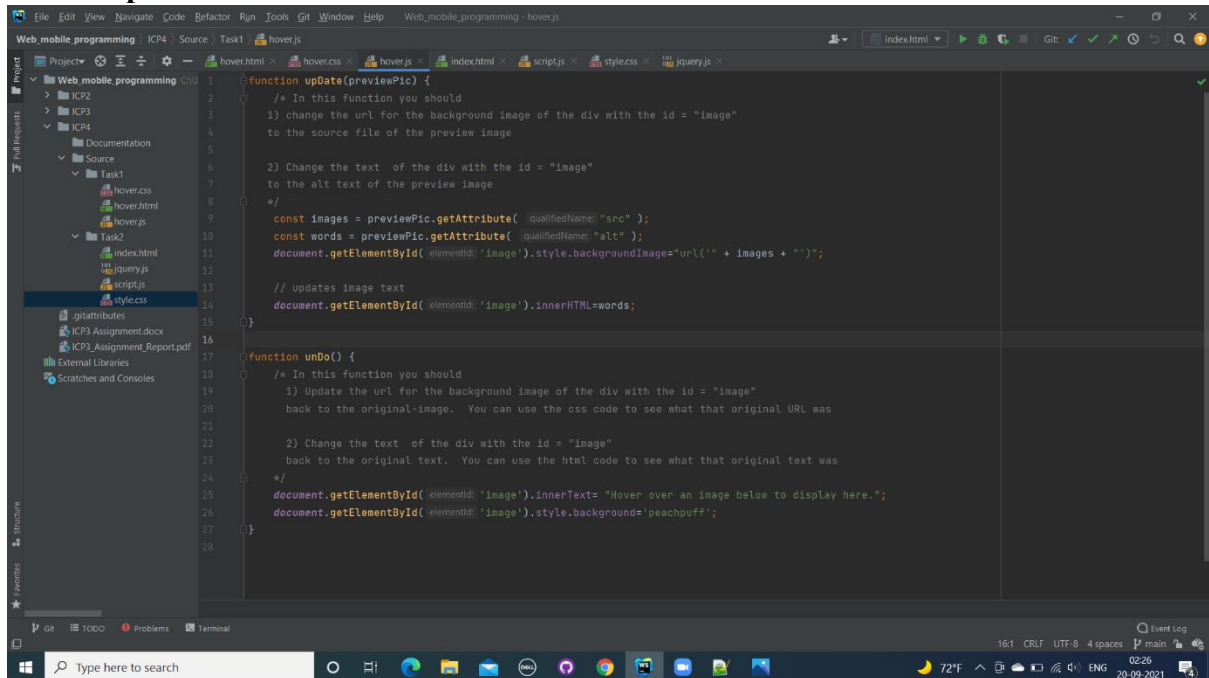
```
14 <div id = "image">
15     Hover over an image below to display here.
16 </div>
17
18 <img onmouseover = "update(this)"
19     onmouseout = "undo()"
20     class = "preview"
21     alt = "Batter is ready"
22     src = "https://cdn.sallysbakingaddiction.com/wp-content/uploads/2017/06/moist-chocolate-cupcakes-7.jpg">
23
24 <img onmouseover = "update(this)"
25     onmouseout = "undo()"
26     class = "preview"
27     alt = "Perfect Baking"
28     src = "https://cdn.sallysbakingaddiction.com/wp-content/uploads/2017/06/moist-chocolate-cupcakes-6.jpg">
29
30 <img onmouseover = "update(this)"
31     onmouseout = "undo()"
32     class = "preview"
33     alt = "Yummy yummy cup cake"
34     src = "https://cdn.sallysbakingaddiction.com/wp-content/uploads/2017/06/moist-chocolate-cupcakes-5.jpg">
35
36 </body>
37 </html>
```

## CSS Code :



```
1 body {
2     margin: 2%;
3     border: 1px solid black;
4     background-color: antiquewhite;
5 }
6
7 #image {
8     line-height: 450px;
9     width: 25%;
10    height: 450px;
11    border: 5px solid black;
12    background-color: peachpuff;
13    background-image: url('');
14    background-repeat: no-repeat;
15    color: #FFFFFF;
16    text-align: center;
17    background-size: 100%;
18    margin: 0 auto 25px;
19    font-size: 150%;
20 }
21
22 .preview {
23     width: 10%;
24     margin-left: 17%;
25     border: 10px solid black;
26 }
27
28 img {
29     width: 95%;
30 }
```

## JavaScript Code :

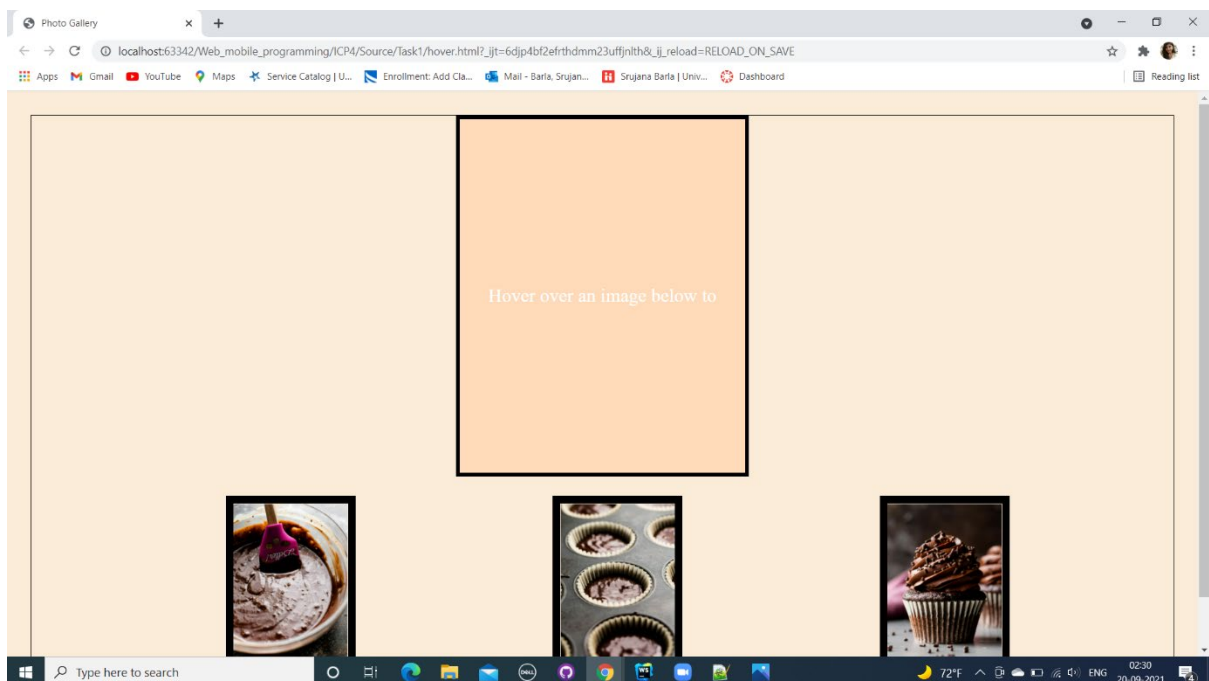


```
1 function update(previewPic) {
2     /* In this function you should
3     1) change the url for the background image of the div with the id = "image"
4     to the source file of the preview image
5
6     2) Change the text of the div with the id = "image"
7     to the alt text of the preview image
8     */
9     const images = previewPic.getAttribute( 'qualifiedName: "src" ');
10    const words = previewPic.getAttribute( 'qualifiedName: "alt" ');
11    document.getElementById( elementId: 'image' ).style.backgroundImage="url('" + images + "')";
12
13    // updates image text
14    document.getElementById( elementId: 'image' ).innerHTML=words;
15 }
16
17 function undo() {
18     /* In this function you should
19     1) Update the url for the background image of the div with the id = "image"
20     back to the original-image. You can use the css code to see what that original URL was
21
22     2) Change the text of the div with the id = "image"
23     back to the original text. You can use the html code to see what that original text was
24     */
25    document.getElementById( elementId: 'image' ).innerText= "Hover over an image below to display here.";
26    document.getElementById( elementId: 'image' ).style.background="peachpuff";
27 }
28 }
```

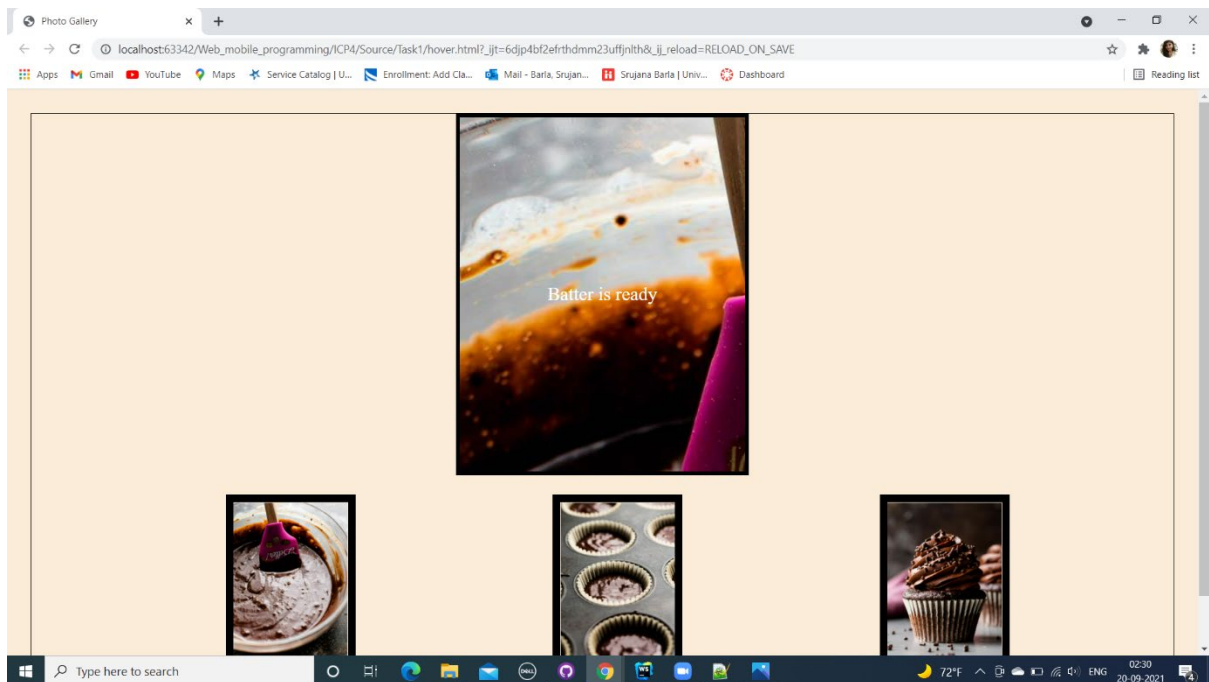
## Results of the Task1:

As you move the mouse cursor, it shows the images on the frame in the centre.

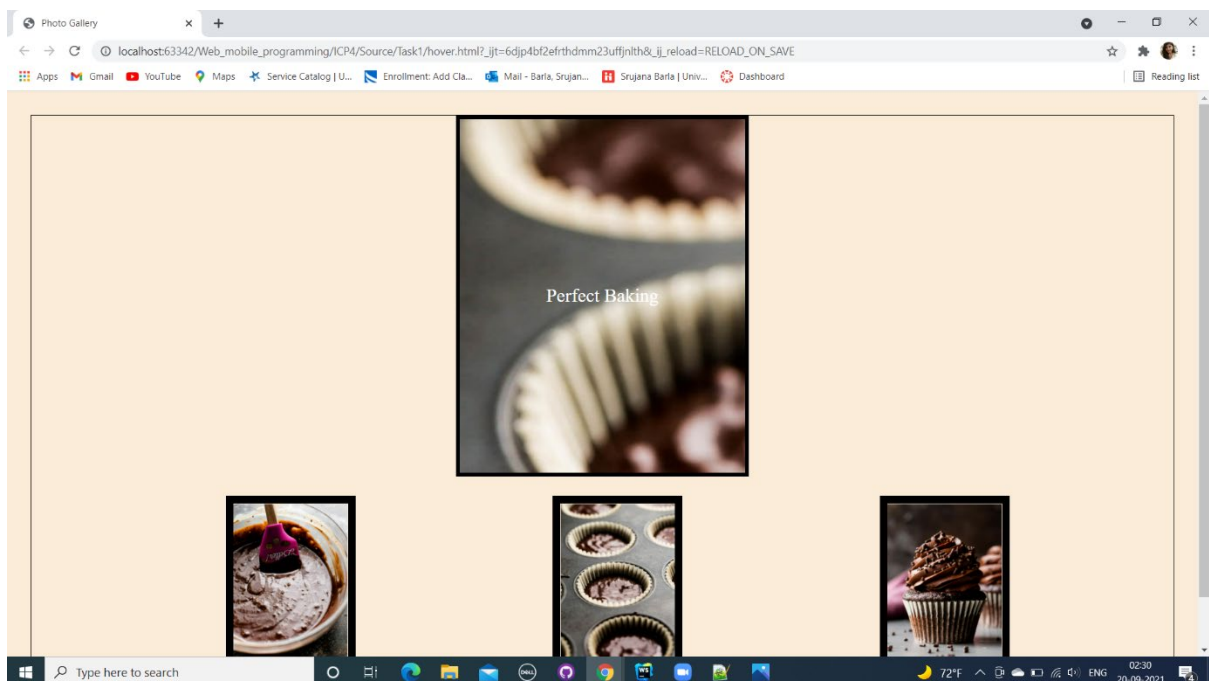
Below image is shown , as soon as web page is opened.



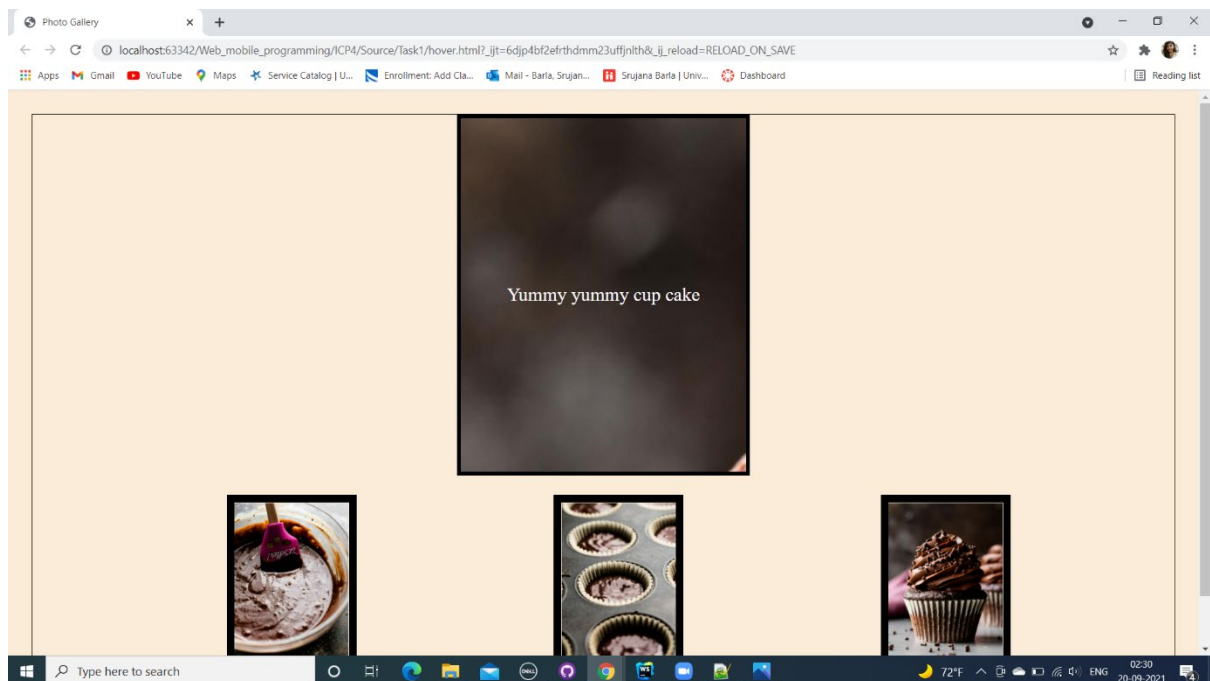
Once, we hover the cursor on one of the images below. Like here in the below image, mouse is on “batter is ready” image



When cursor is hovered on the “perfect baking” image, it looks like below screenshot:



When cursor is on the “yummy yummy cup cake” image looks :

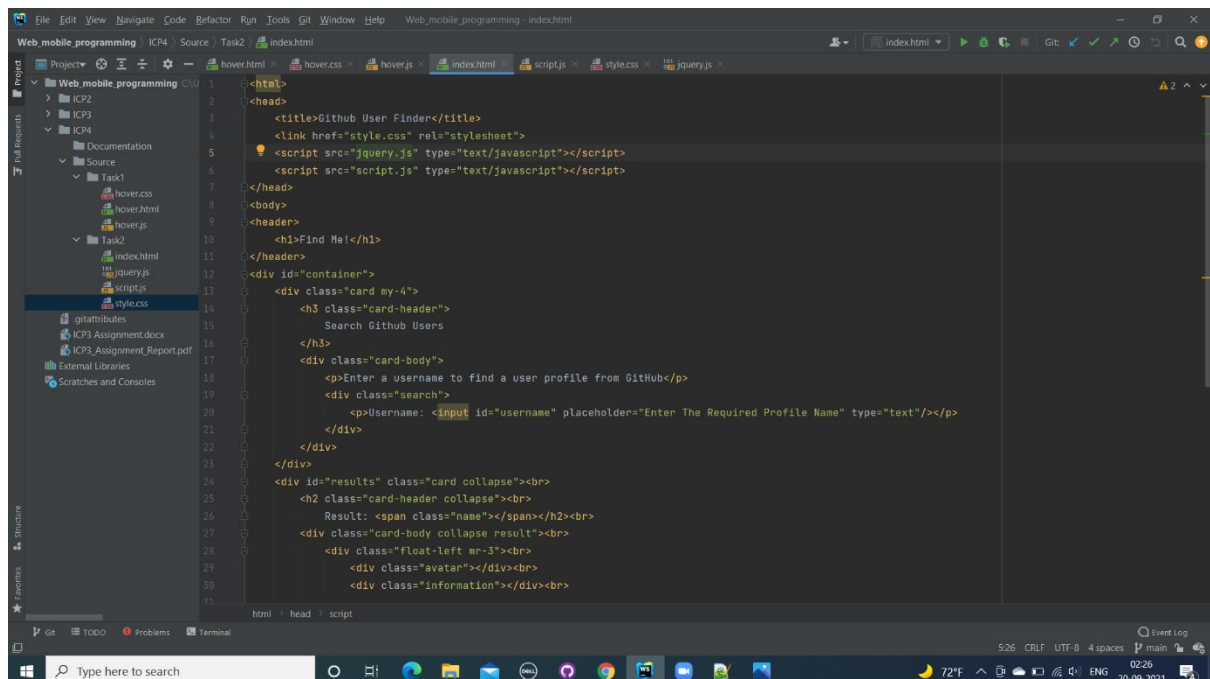


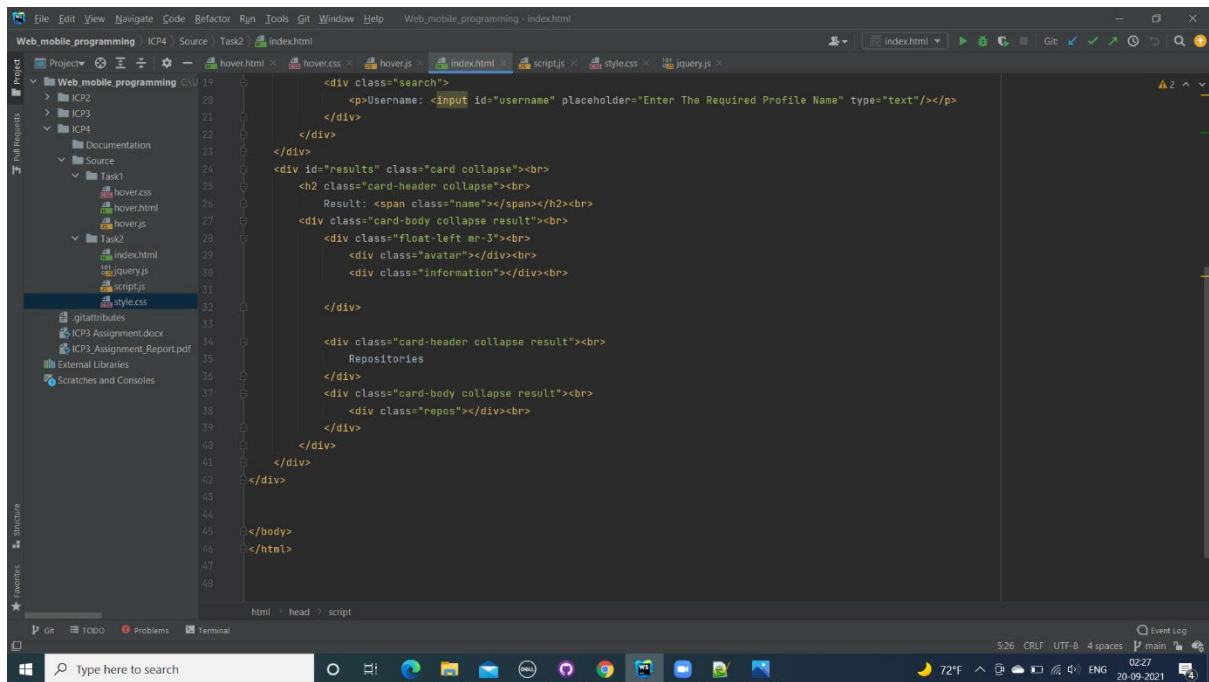
## Task-2:

2) This task basically requires, profile vision of GitHub user. In this, when a username is entered on the search bar, it should show the details of the user. This need HTML, CSS, JavaScript, JQuery coding.

Below are the screenshots for the same.

## HTML Code:





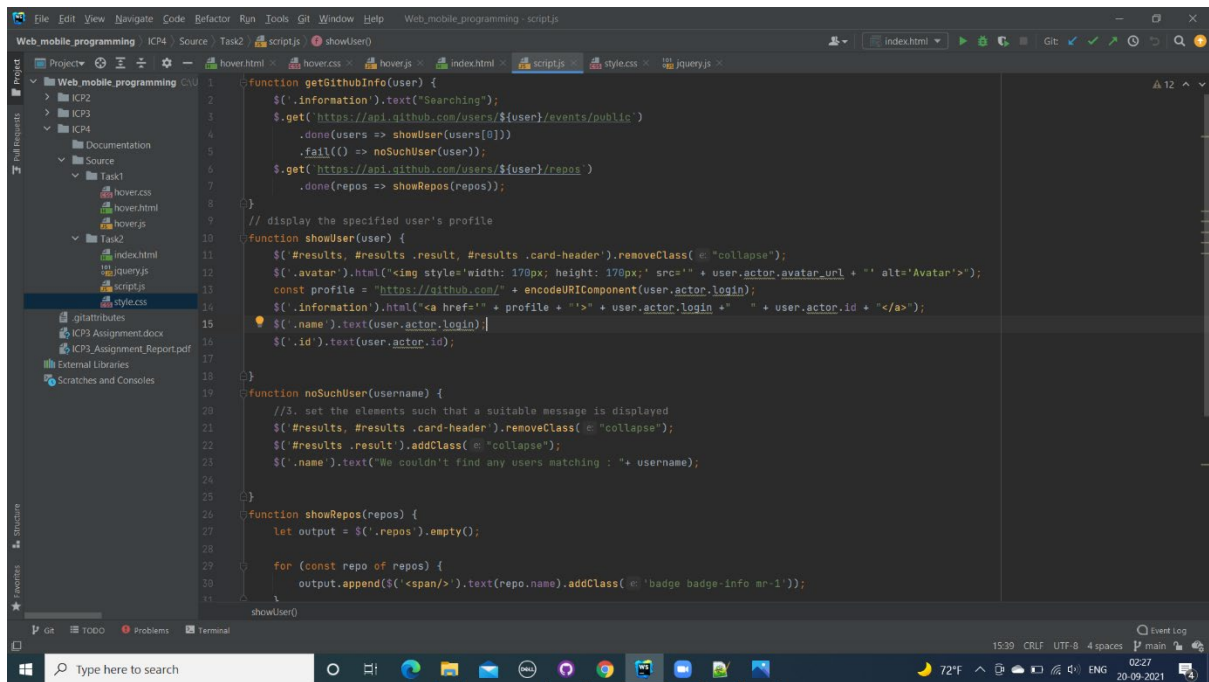
```
<div class="search">
  <p>Username: <input id="username" placeholder="Enter The Required Profile Name" type="text"/></p>
</div>

<div id="results" class="card collapse"><br>
  <h2 class="card-header collapse"><br>
    Result: <span class="name"></span></h2><br>
  <div class="card-body collapse result"><br>
    <div class="float-left mr-3"><br>
      <div class="avatar"></div><br>
      <div class="information"></div><br>
    </div>

    <div class="card-header collapse result"><br>
      Repositories
    </div>
    <div class="card-body collapse result"><br>
      <div class="repos"></div><br>
    </div>
  </div>
</div>

</body>
</html>
```

## JavaScript Code:



```
function getGithubInfo(user) {
  $('#information').text("Searching");
  $.get('https://api.github.com/users/${user}/events/public')
    .done(users => showUser(users[0]))
    .fail(() => noSuchUser(user));
  $.get('https://api.github.com/users/${user}/repos')
    .done(repos => showRepos(repos));
}

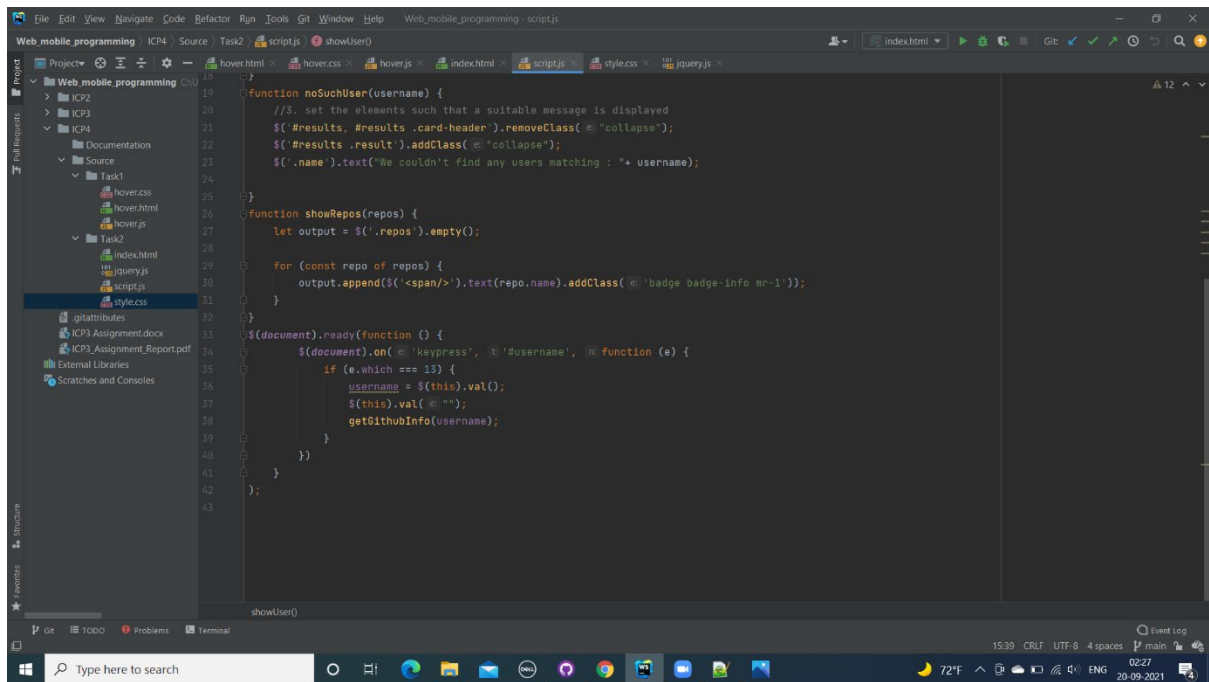
// display the specified user's profile
function showUser(user) {
  $('#results, #results .result, #results .card-header').removeClass('collapse');
  $('#avatar').html('');
  const profile = "https://github.com/" + encodeURIComponent(user.actor.login);
  $('#information').html('<a href="' + profile + '"> ' + user.actor.login + ' ' + user.actor.id + "</a>");
  $('#name').text(user.actor.login);
  $('#id').text(user.actor.id);
}

function noSuchUser(username) {
  //3. set the elements such that a suitable message is displayed
  $('#results, #results .card-header').removeClass('collapse');
  $('#results .result').addClass('collapse');
  $('#name').text("We couldn't find any users matching : " + username);
}

function showRepos(repos) {
  let output = $('#repos').empty();
  for (const repo of repos) {
    output.append('<span>' + repo.name + '</span>');
  }
}

showUser()
```





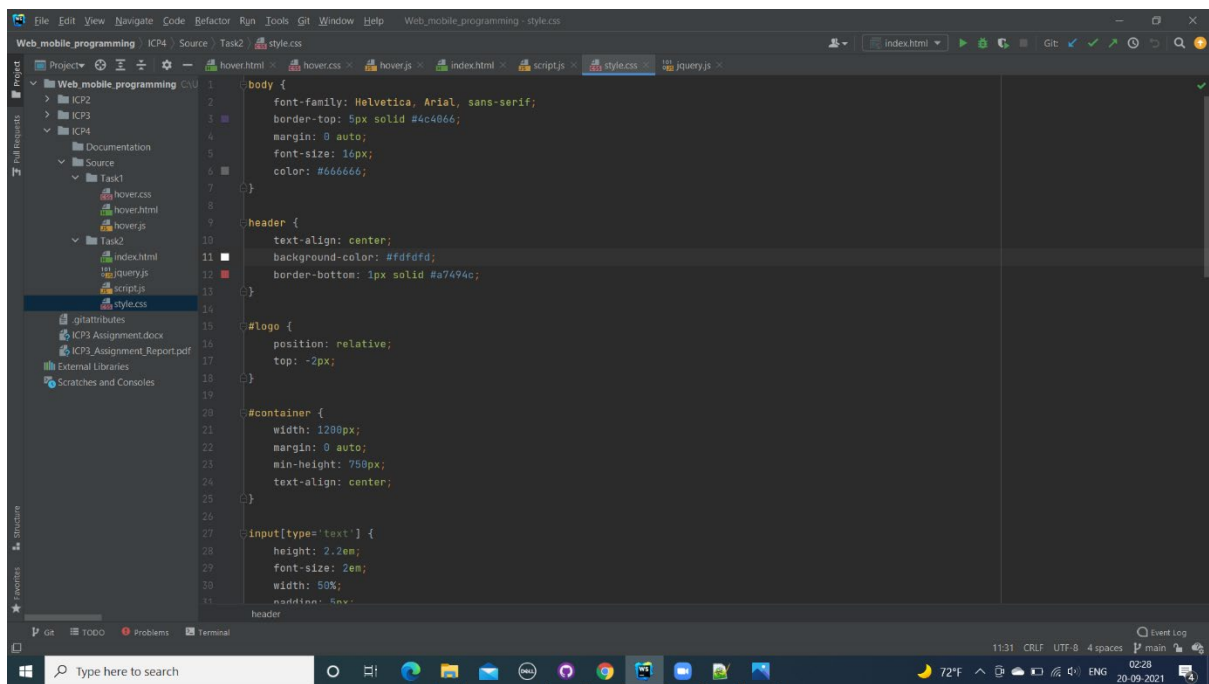
The screenshot shows the Visual Studio Code editor with a project named 'Web\_mobile\_programming'. The file explorer on the left shows a directory structure with 'Task2' containing 'index.html', 'script.js', and 'style.css'. The 'script.js' file is open in the editor, showing the following code:

```
18 }
19
20 function noSuchUser(username) {
21     //3. set the elements such that a suitable message is displayed
22     $('#results, #results .card-header').removeClass('collapse');
23     $('#results .result').addClass('collapse');
24     $('#name').text("We couldn't find any users matching : " + username);
25 }
26
27 function showRepos(repos) {
28     let output = $('#repos').empty();
29
30     for (const repo of repos) {
31         output.append($('

The status bar at the bottom indicates the file is 'script.js' in the 'Task2' directory, with a UTF-8 encoding and 4 spaces. The system tray shows the date as 20-09-2021 and time as 02:27.


```

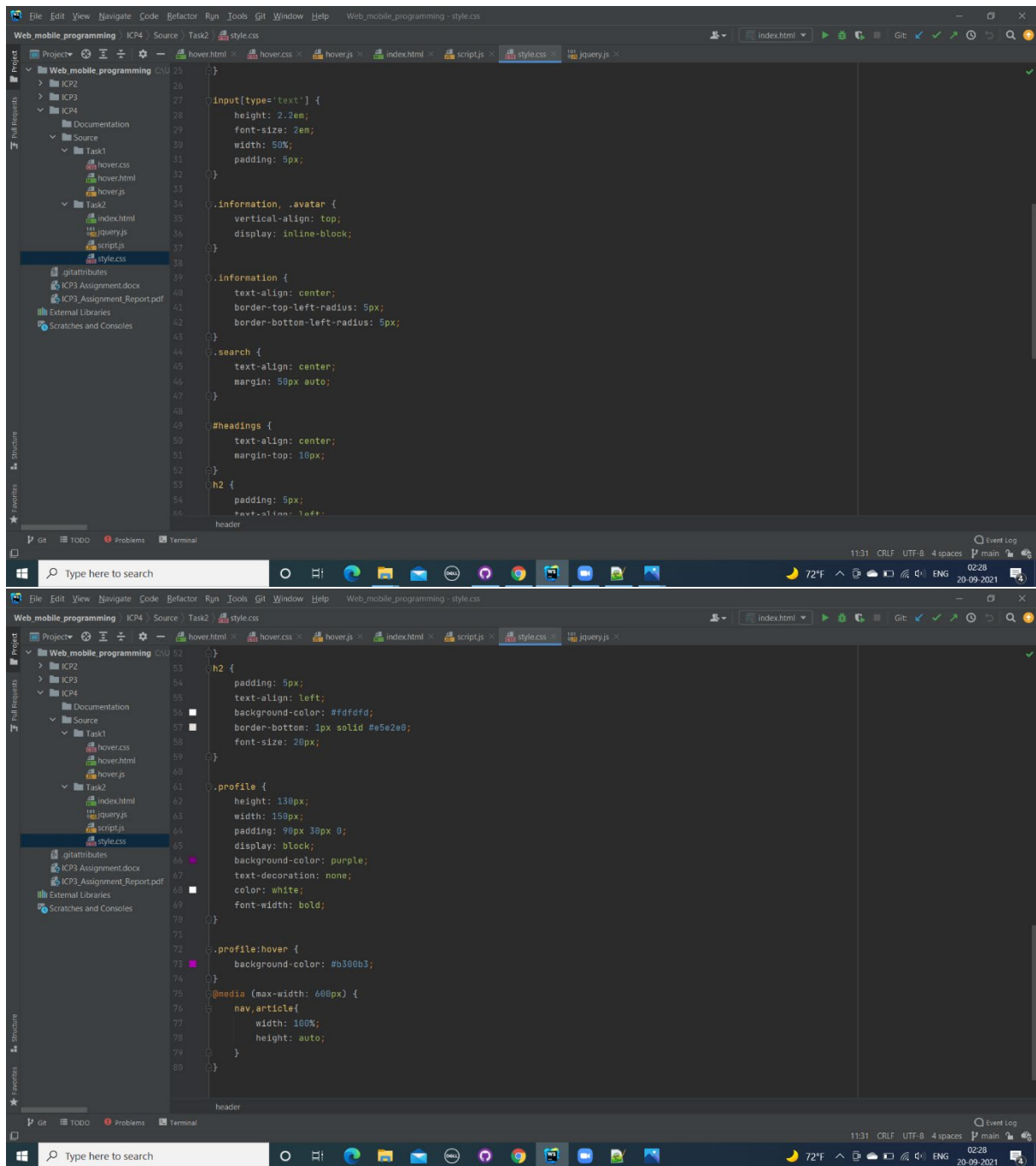
## CSS Code:



The screenshot shows the Visual Studio Code editor with the same project. The 'style.css' file is open in the editor, showing the following code:

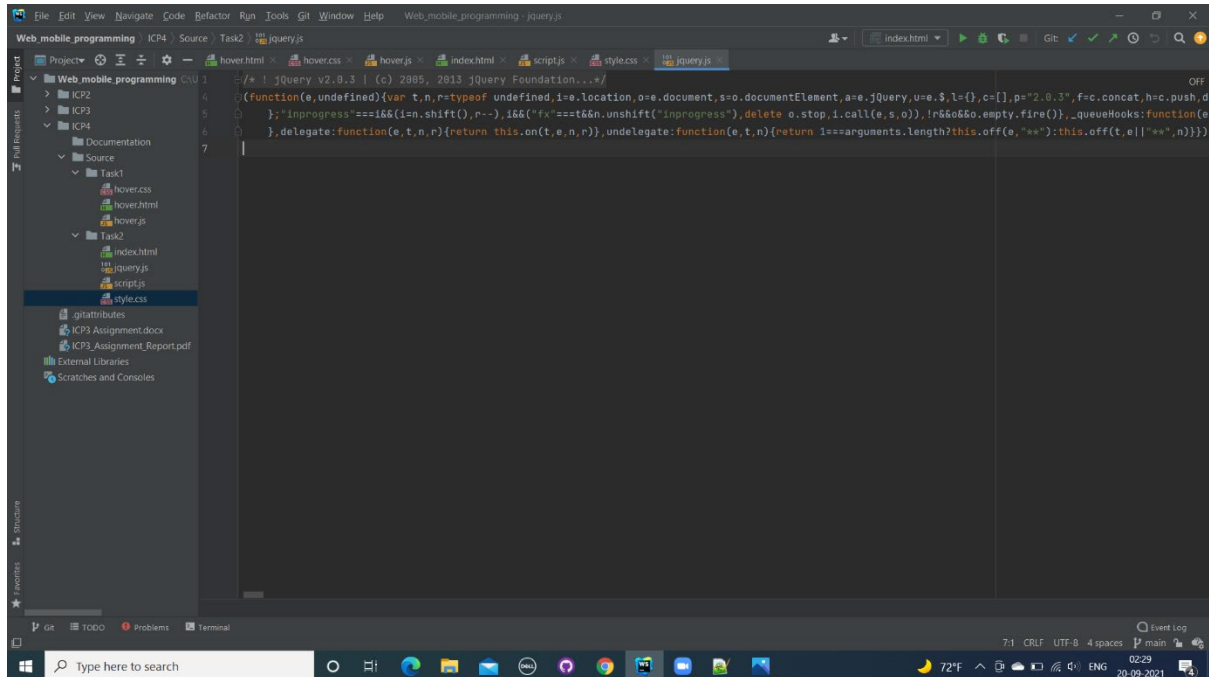
```
1 body {
2     font-family: Helvetica, Arial, sans-serif;
3     border-top: 5px solid #4c4b66;
4     margin: 0 auto;
5     font-size: 16px;
6     color: #666666;
7 }
8
9 header {
10     text-align: center;
11     background-color: #f4f4fd;
12     border-bottom: 1px solid #a7494c;
13 }
14
15 #logo {
16     position: relative;
17     top: -2px;
18 }
19
20 #container {
21     width: 1280px;
22     margin: 0 auto;
23     min-height: 758px;
24     text-align: center;
25 }
26
27 input[type='text'] {
28     height: 2.2em;
29     font-size: 2em;
30     width: 50%;
31     margin: 5px;
32 }
```

The status bar at the bottom indicates the file is 'style.css' in the 'Task2' directory, with a UTF-8 encoding and 4 spaces. The system tray shows the date as 20-09-2021 and time as 02:28.





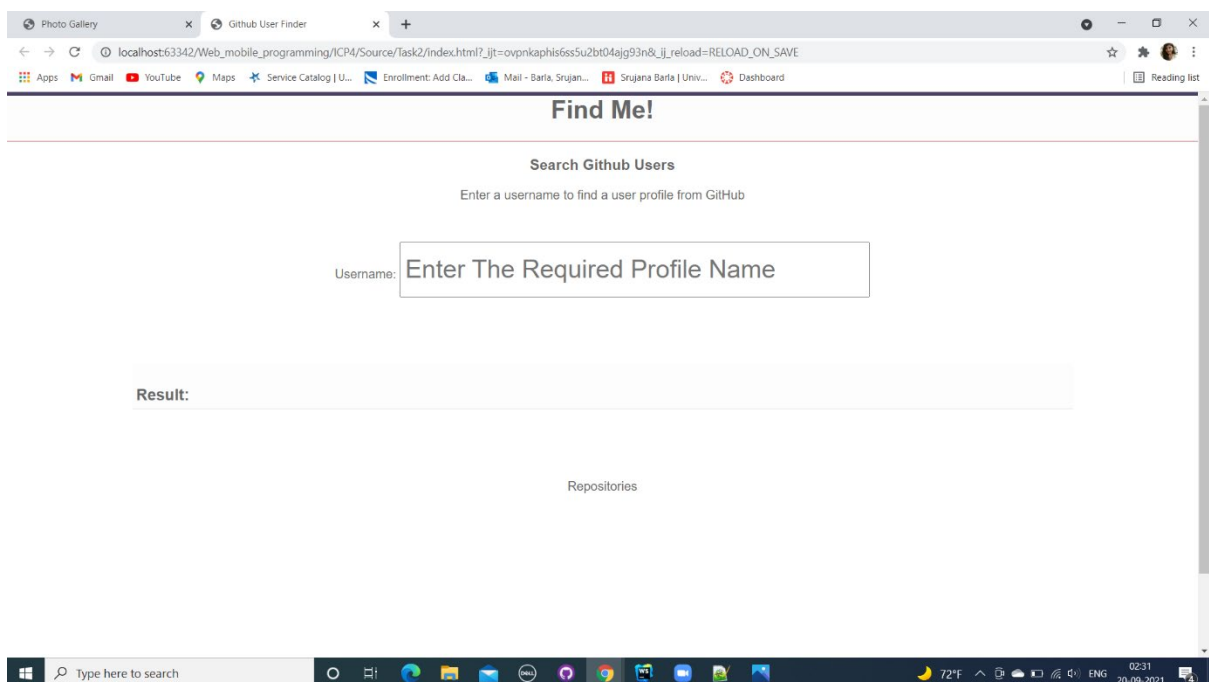
## JQuery Code:



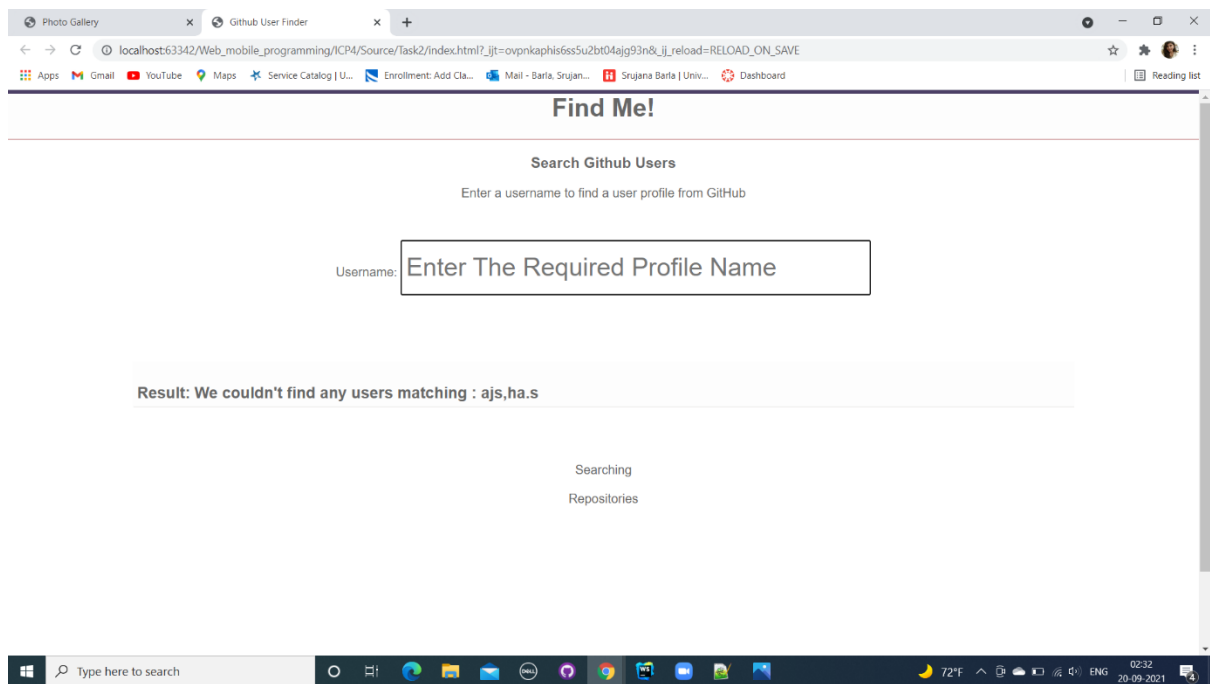
```
1 /s ! jQuery v2.0.3 | (c) 2005, 2013 jQuery Foundation...  
2  
3  
4 (function(e,undefined){var t,n,r=typeof undefined,i=e.location,o=e.document,s=o.documentElement,a=e.jQuery,u=e.$,l={},c=[],p="2.0.3",f=c.concat,h=c.push,d  
5 };!inprogress===i&&(i=n.shift(),r--),i&&("fx"===t&&n.unshift("inprogress"),delete o.stop,i.call(e,s,o)).!r&&o.empty.fire(),_queueHooks=function(e  
6 },delegate:function(e,t,n,r){return this.on(t,e,n,r)},undelegate:function(e,t,n){return 1===arguments.length?this.off(e,"**"):this.off(t,e||"**",n)}})  
7
```

Below are the snippets for the Task-2 :

As soon as web page is launched , it looks like below screenshot, with a slight boader lines near “Find Me”, below with an Username search box and the result section for the user details one.



After giving a wrong input in the search bar, it shows like the below result:



When an existing username is typed , it gives the details of the user like in the below screenshot users 1) Name, 2)ID, 3)Repositories, 4)Name with html link are displayed.

