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Section C
LAB 9
2/10/2021
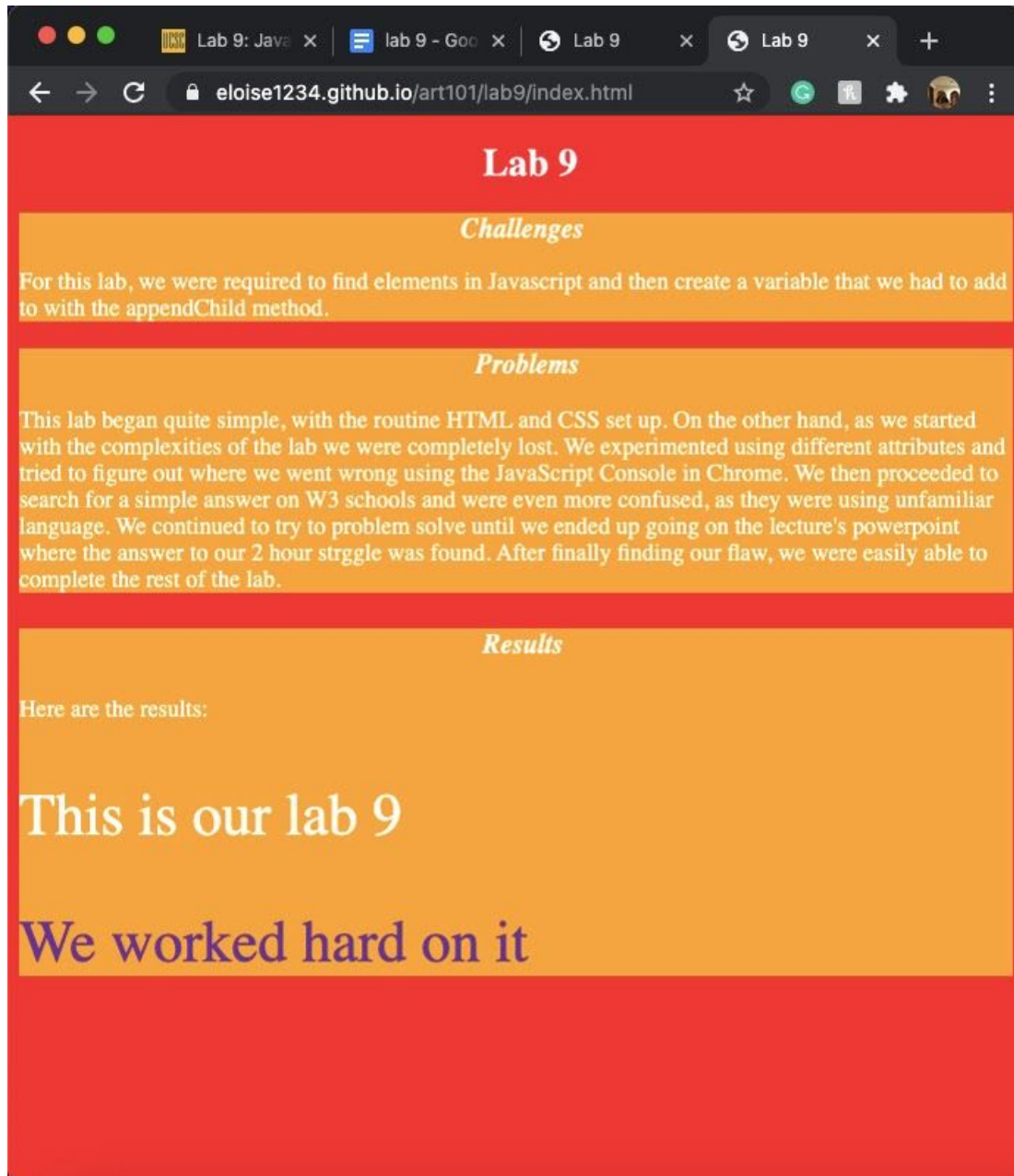
```
        index.html                          lab.js            ●             lab.css
1   <!DOCTYPE html>
2   <html>
3   <head>
4     <title>Lab 9</title>
5           <script src="js/lab.js" defer></script>
6
7           <link rel="stylesheet" type="text/css" href="../css/site.css">
8           <link rel="stylesheet" type="text/css" href="css/lab.css">
9   </head>
10  <body>
11    <h1> Lab 9 </h1>
12    <div id="challenge">
13    <h2> Challenges </h2>
14        <p id ="para 1"> For this lab, we were required to find elements i
15    </div>
16
17    <div id="problems">
18      <h3> Problems </h3>
19        <p id = "para2"> This lab began quite simple, with the routine HTM
•         on the lecture's powerpoint where the answer to our 2 hour strggle
20    </div>
21
22    <div id="results">
23      <h4> Results </h4>
24        <p id = "para3"> Here are the results: </p>
25
26    <div id="output">
27      <p id= "para4">
28        </p>
29    </div>
30  </body>
31  </html>
32
```
Task 1: HTML code

```
      index.html                          lab.js              •           lab.css

 1    /**
 2     * Author: Eloise Shevin and Ashwin Gupta
 3     * Created:   2.10.2021
 4     * License: Public Domain
 5     **/
 6
 7    //var outputEl=
 8
 9    var outputEl=document.getElementById("output");      //Get element ID from HTML file and assign to a variable
10    var new1El=document.createElement("p");              //Create a new element and assign to a variable
11    new1El.setAttribute("p", "Hello");                   //Add attribute to element
12    var new2El=document.createElement("p");
13    new2El.setAttribute("p", "results");
14    outputEl.appendChild(new1El);                        //Append element to the bottom of outputEl
15    outputEl.appendChild(new2El);
16    new1El.innerHTML="This is our lab 9";
17    new2El.innerHTML="We worked hard on it"
18    new1El.style.fontSize="30pt";                        //Change Style attributes
19    new2El.style.color="rebeccapurple";
20    new2El.style.fontSize="30pt";
```

Task 2: Javascript code

Lab on Github
https://eloise1234.github.io/art101/lab9/index.html

Bonus X:

1. Instead of append.child(), we can use prepend.child() to add elements to the top of an element.
2. We've used the createAttribute() and createElement() methods.
3. The other method we used was GetElementbyID()

Summary of efforts:

Starting lab 9 was quite simple, as we are now exponentially familiar with creating an HTML file and designing its attached CSS file. For this lab's CSS, we wanted to play on color and make the font really stand out by being white. We really enjoyed the look of it as we also experimented with background colors. It looks quite simple, yet we wanted to take a minimalistic approach in order for the text to really pop. As we continued working on the lab and began to test out our Javascript locally, we ran into some issues as we started with the complexities of the lab we were completely lost. We experimented using different attributes and tried to figure out where we went wrong using the JavaScript Console in Chrome. We then tried to look for answers on W3Schools and Stack Overflow, but that wasn't of much help as they were using unfamiliar language. We continued to try to solve the problems in our code and using the lecture resources we were able to do so. After which, we finally published the page onto Github. Though we encountered some difficulties with this lab, we were able to put our minds together and problem solve as a team.