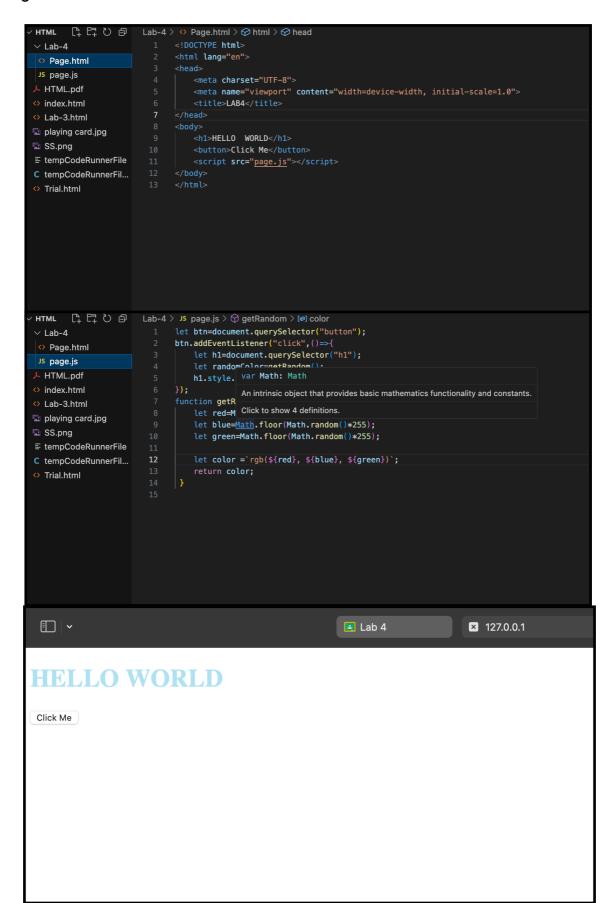
22CS3002
Aditya Singh
06 Feb 2024
Web Tech Lab - 4

T1. Create a webpage that has a heading and a button. Write a script to change the background color and text when the button is clicked.



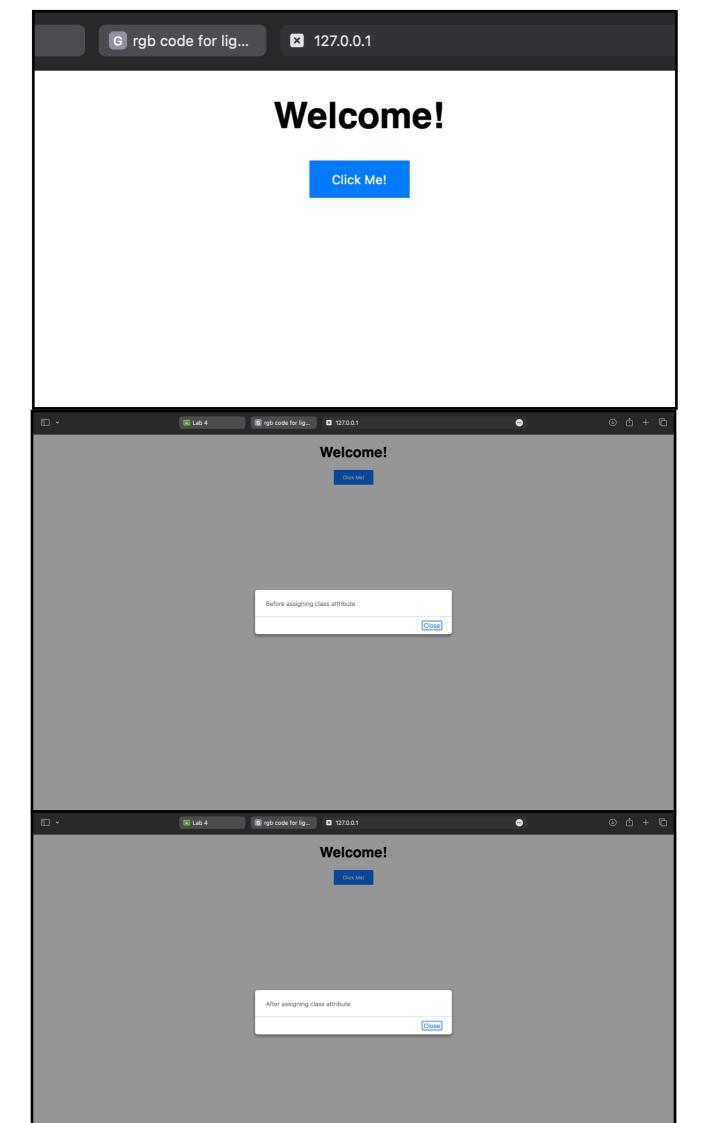
- T2. For T1, experiment with the Javascript code by trying the following things:
- a. Make the background light green.
- b. Add a line that makes the text red.
- c. Change the fontSize to 48pt.
- d. Change the wording inside the <h1> tag in the Javascript.
- e. Add <button>Click Me</button> after the closing </h1>.

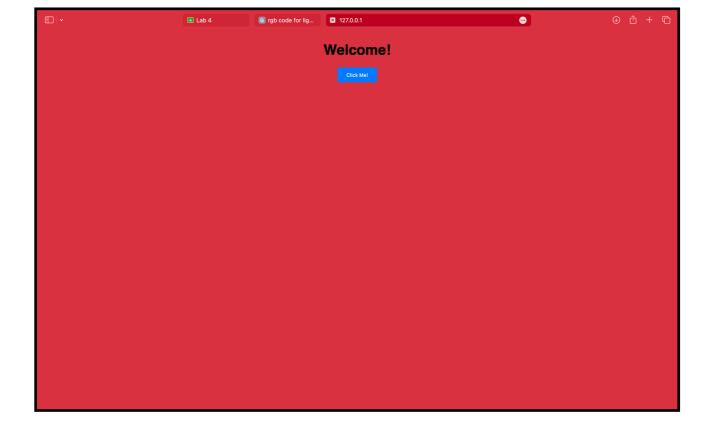
```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>LAB4</title>
<body class="container">
   <h1>HELLO WORLD</h1>
   <button>Click Me</button>
    <script>
 let btn=document.querySelector("button");
let bdy=document.querySelector(".container");
bdy.style.backgroundColor=getRandom();
btn.addEventListener("click",()=>{
    let h1=document.querySelector("h1");
    h1.style.fontSize="48px";
    let randomColor=getRandom();
    h1.style.color=randomColor;
    h1.innerText="Dear Connections";
function getRandom(){
    let red=Math.floor(Math.random()*255);
    let blue=Math.floor(Math.random()*255);
    let green=Math.floor(Math.random()*255);
    let color = rgb(${red}, ${blue}, ${green});
    return color;
```



T3. For T1, set the color of the background directly with the class attribute. Generate alerts before and after assigning the class attribute to document object.

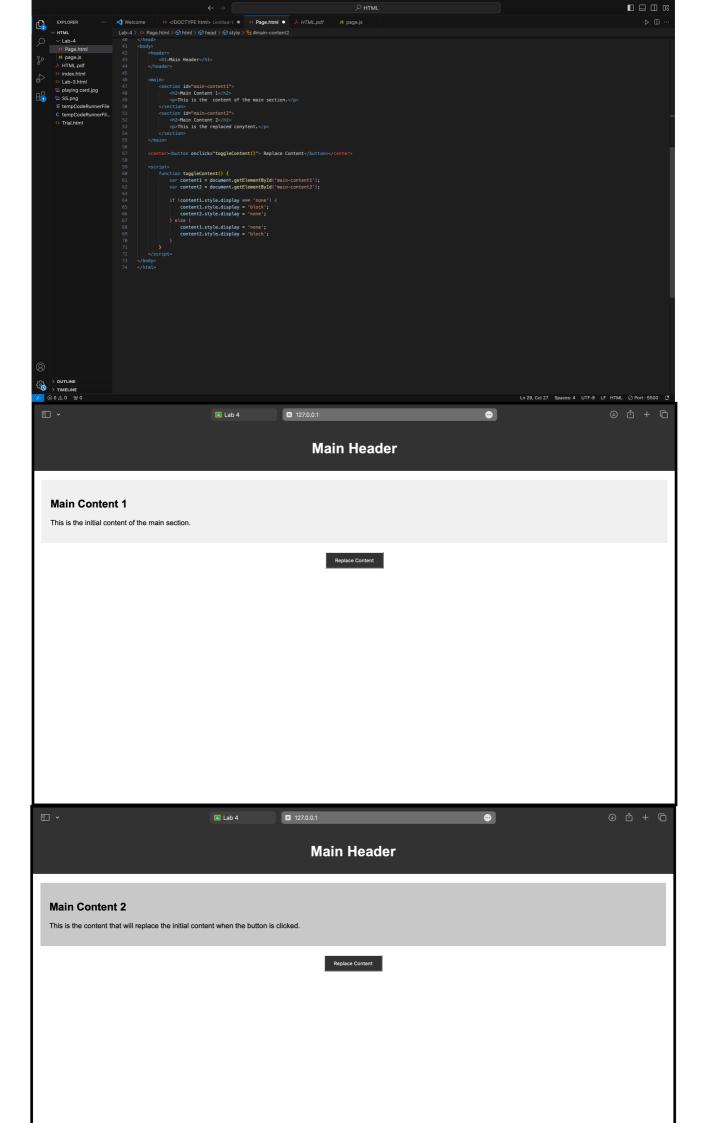
```
EXPLORER
                     ⋈ Welcome
                                    JS page.js
  ∨ HTML
                      Lab-4 > ♦ Page.html > ♦ html > ♦ body > ♦ style
                           <!DOCTYPE html>
   ∨ Lab-4
                           <html lang="en">
   > Page.html
   Js page.js
                            <meta charset="UTF-8">
                            <meta name="viewport" content="width=device-width, initial-scale=1.0">
   HTML.pdf
                             <title>Dynamic Webpage</title>
   index.html
   ♦ Lab-3.html
  playing card.jpg
  SS.png
                            <h1>Welcome!</h1>
   <button id="changeButton">Click Me!</button>
   c tempCodeRunnerFil...
                               .blue-bg {
   Trial.html
                             background-color: □#007bff;
                           .red-bg {
                             background-color: ■#dc3545;
                            body {
                            font-family: sans-serif;
                             text-align: center;
                           #changeButton {
                            padding: 10px 20px;
                             border: none;
                            background-color: □#007bff;
                            color: ■#fff;
                             cursor: pointer;
33
        </style>
        <script>
          const button = document.getElementById("changeButton");
      const body = document.body;
      button.addEventListener("click", () => {
        alert("Before assigning class attribute");
        if (body.classList.contains("blue-bg")) {
          body.classList.remove("blue-bg");
          body.classList.add("red-bg");
        } else {
          body.classList.remove("red-bg");
          body.classList.add("blue-bg");
       alert("After assigning class attribute");
     });
          </script>
      </body>
```





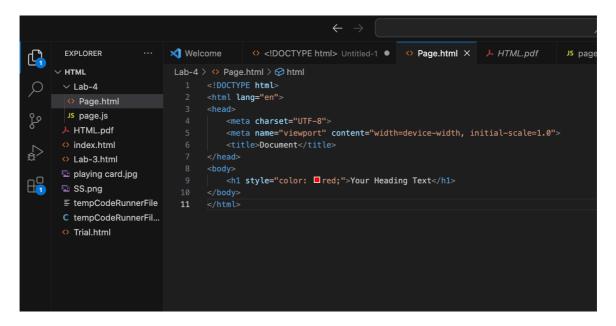
T4. Design a page having contents within and outside the main section. The page must contain a button that when clicked replaces the content of the main section with another content having different style.

```
| State | Stat
```

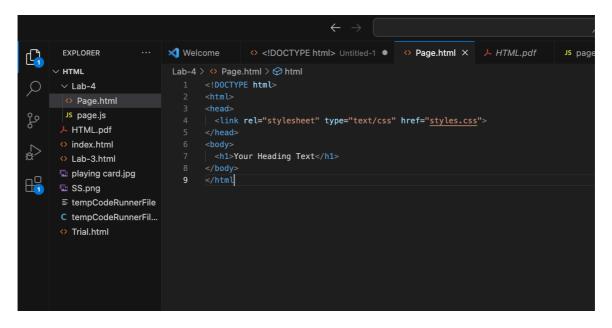


T5. Consider a h1 heading lying outside the main section in the page. Try changing the color of h1 in at least 3 different ways.

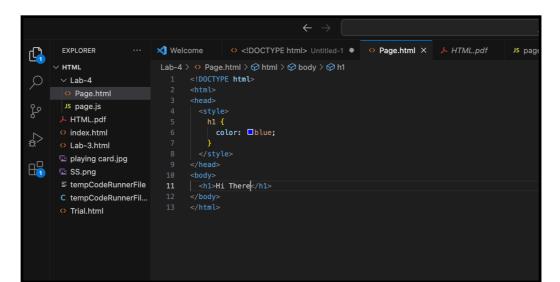
Code1 (Inline CSS)

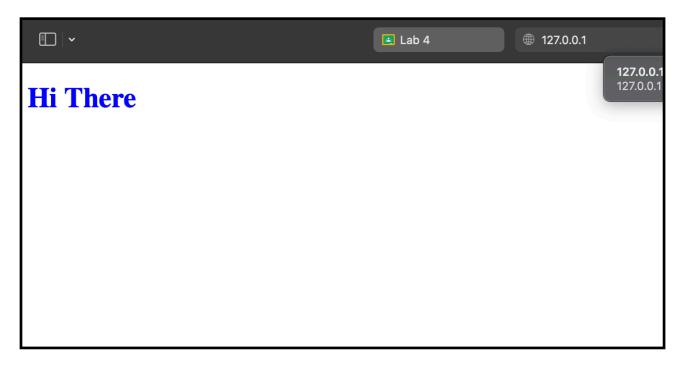


Code2 (Internal CSS)

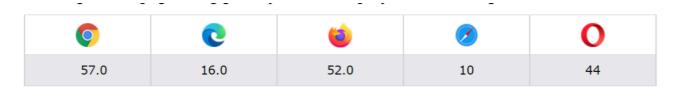


Code3 (External CSS)





T6. Design a webpage using grid layout that displays the following:



The first row shows icons of various web browsers and the second row shows the latest version number.

```
| Separation | Sep
```

