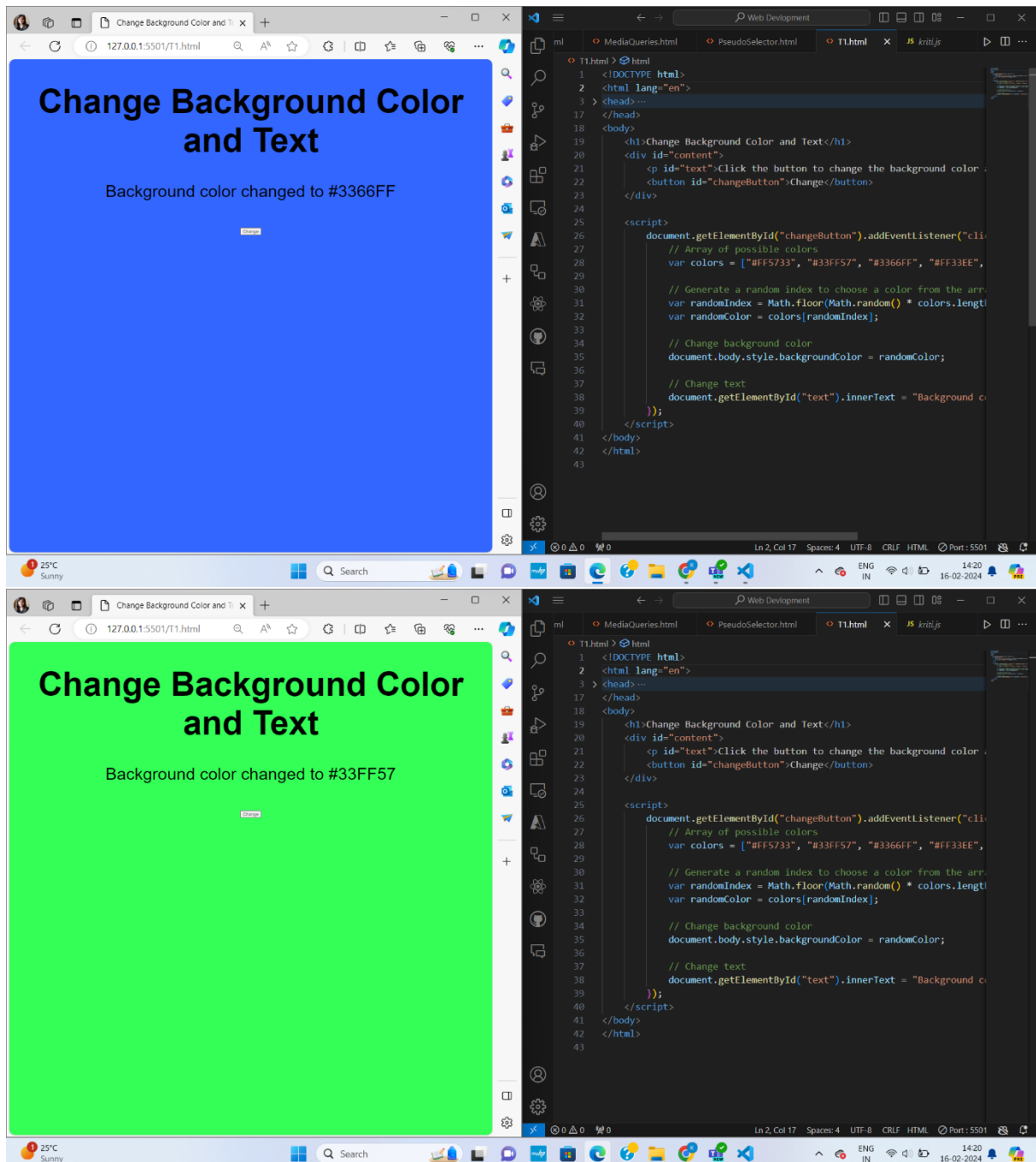


ASSIGNMENT-4

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T1.



T2.

The image displays a web browser window on the left and a VS Code editor on the right, both showing the same web page and its underlying code.

Web Browser (Left): The address bar shows the URL `127.0.0.1:5501/T2.html`. The page content includes a heading "Modified Heading" and a large red text block that reads "Click the button to change the background color and text." Below this text is a small button labeled "Change Text Me".

VS Code Editor (Right): The editor shows the HTML and JavaScript code for the web page. The code is as follows:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width,
  initial-scale=1.0">
6 <title>Change Background Color and Text</title>
7 <style>
8   body {
9     font-family: Arial, sans-serif;
10    text-align: center;
11  }
12  #content {
13    margin-top: 50px;
14  }
15 </style>
16 </head>
17 <body>
18   <h1 id="heading">Change Background Color and Text</h1>
19   <div id="content">
20     <p id="text">Click the button to change the
      background color and text.</p>
21     <button id="changeButton">Change</button>
22   </div>
23   <button onclick="changeText()">Click Me</button>
24   <script>
25     document.body.style.backgroundColor =
      "lightgreen";
26   </script>
27 </body>
28 </html>
```

The code defines a simple web page with a light green background. It includes a heading, a paragraph, and a button. The JavaScript code sets the background color to "lightgreen" and defines a function `changeText()` that alerts "Button clicked!".

T3

The image displays a web browser window and a code editor side-by-side, illustrating a JavaScript application that changes the background color and text of a web page.

Browser Window (Left):

- The address bar shows the URL: `127.0.0.1:5501/T3.html`.
- The page title is "Change Background Color and Text".
- The page content is a solid light green background.
- A small alert box is visible, displaying the message: "127.0.0.1:5501 says Before assigning class attribute".

Code Editor (Right):

The code editor shows the HTML and JavaScript code for the application. The code is as follows:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial
6 <title>Change Background Color and Text</title>
7 <style>
8   body {
9     font-family: Arial, sans-serif;
10    text-align: center;
11  }
12  .lightgreen-bg {
13    background-color: lightgreen;
14  }
15  #content {
16    margin-top: 50px;
17  }
18 </style>
19 </head>
20 <body>
21 <h1>Change Background Color and Text</h1>
22 <div id="content">
23   <p id="text">Click the button to change the backgr
24   <button id="changeButton">Change</button>
25 </div>
26 <script>
27   alert("Be (property) Document.body: HTMLElement
28   document.body.classList.add("lightgreen-bg");
29   alert("After assigning class attribute");
29
```

The code defines a light green background class and a content container. It includes a button to change the background color and text. The JavaScript code uses the `document.body.classList.add()` method to add the `lightgreen-bg` class to the body, and the `document.getElementById()` method to access the `changeButton` and `text` elements.

T4.

The image displays a web browser and a code editor (VS Code) side-by-side, illustrating the development of a content replacement feature.

Browser View (Left):

- Address bar: 127.0.0.1:5501/T4.html
- Page Title: Task-4
- Content: A box labeled "Main Section" with the text "This is the default content of the main section." and a "Change Content" button.

Code Editor View (Right):

The code editor shows the HTML and CSS files for the application.

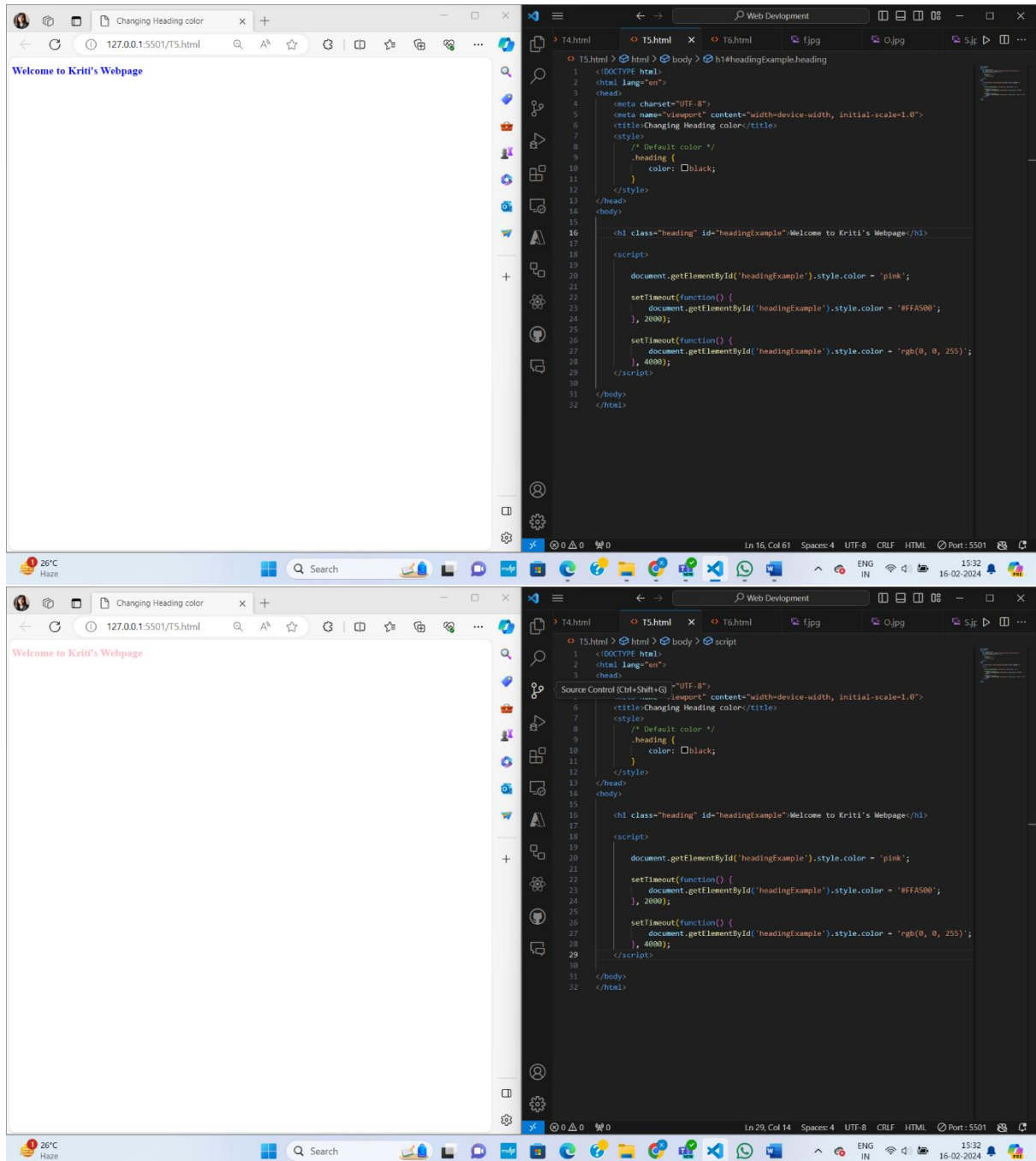
HTML File (T4.html):

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width,
  initial-scale=1.0">
6 <title>Content Replacement</title>
7 <style>
8   body {
9     font-family: Arial, sans-serif;
10    text-align: center;
11  }
12  #content-container {
13    margin-top: 50px;
14  }
15  #main-section {
16    padding: 20px;
17    border: 2px solid #333;
18    margin-bottom: 20px;
19  }
20  .default-content {
21    color: #333;
22  }
23  .alternate-content {
24    color: blue;
25    font-weight: bold;
26    font-size: 20px;
27  }
28 </style>
```

CSS File (PseudoSelector.html):

```
1 <html> > @html > @head > @style > .default-content
2 <html lang="en">
30 <body>
31 <h1>Task-4</h1>
32 <div id="content-container">
33   <section id="main-section"
34     class="default-content">
35     <h2>Main Section</h2>
36     <p>This is the default content of the main
37       section.</p>
38   </section>
39   <button id="changeButton">Change Content</button>
40 </div>
41 <script>
42   document.getElementById("changeButton").
43   addEventListener("click", function() {
44     var mainSection = document.getElementById
45     ("main-section");
46     mainSection.innerHTML = `
47       <h2>Main Section (Alternate)</h2>
48       <p>This is the alternate content of the
49       main section.</p>`;
50     mainSection.classList.remove
51     ("default-content");
52     mainSection.classList.add
53     ("alternate-content");
54   });
55 </script>
56 </body>
57 </html>
```

T5.



T6.

