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.

Answer
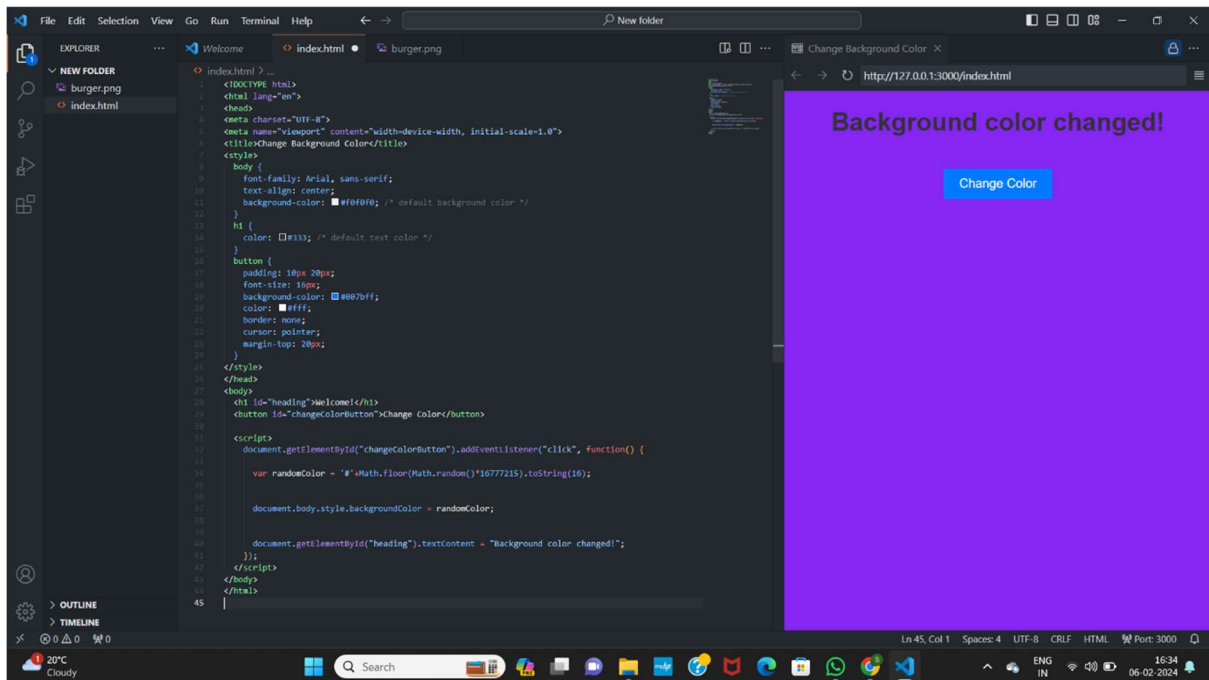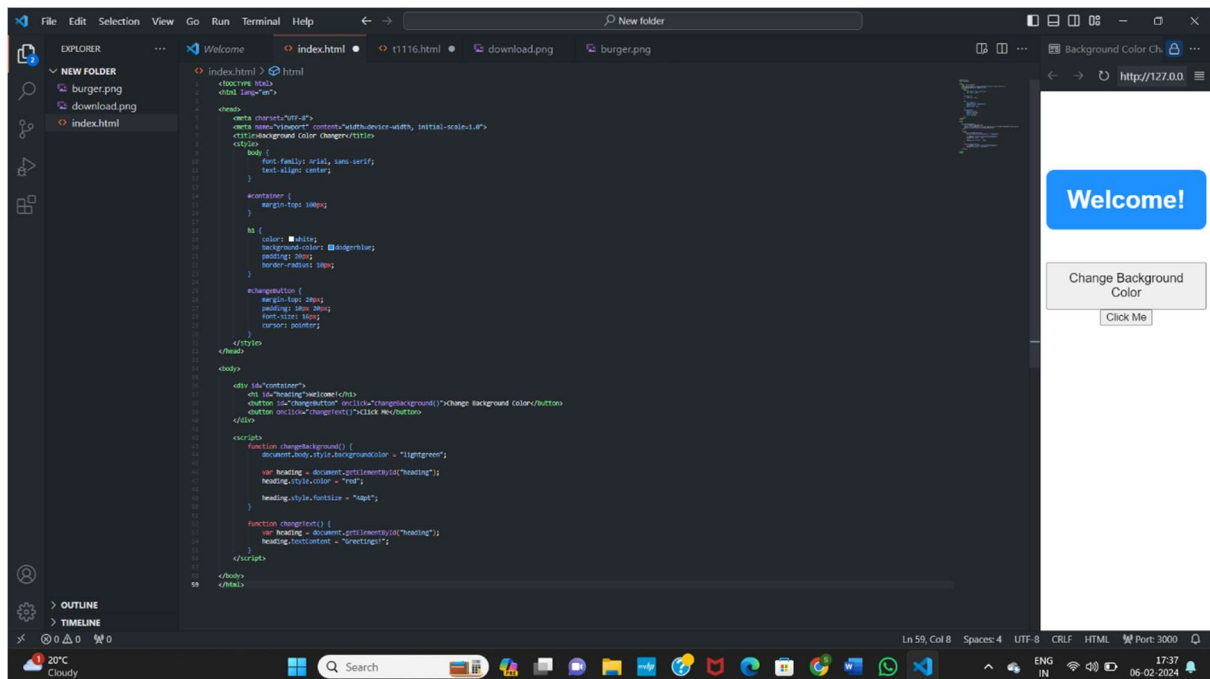

T2.) For T1, experiment with the Javascript code by trying the following things:

a. Make the background light green.

b. Add a line that makes the text red.

c. Change the fontSize to 48pt.
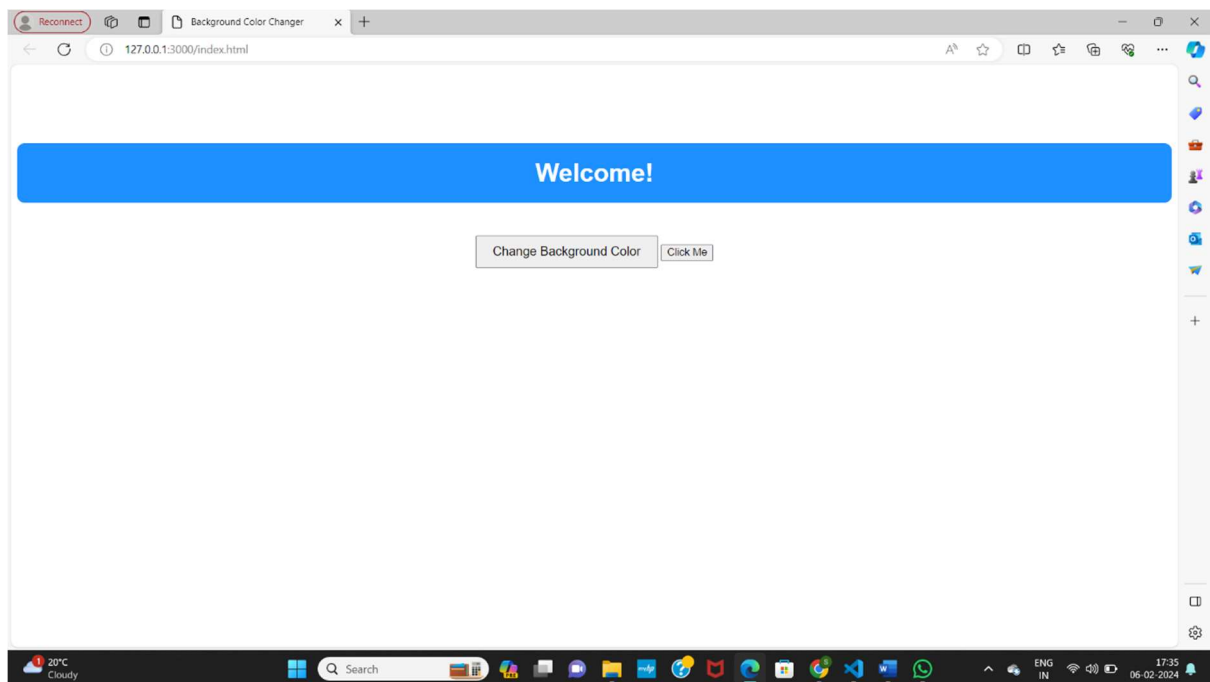
d. Change the wording inside the <h1> tag in the Javascript.
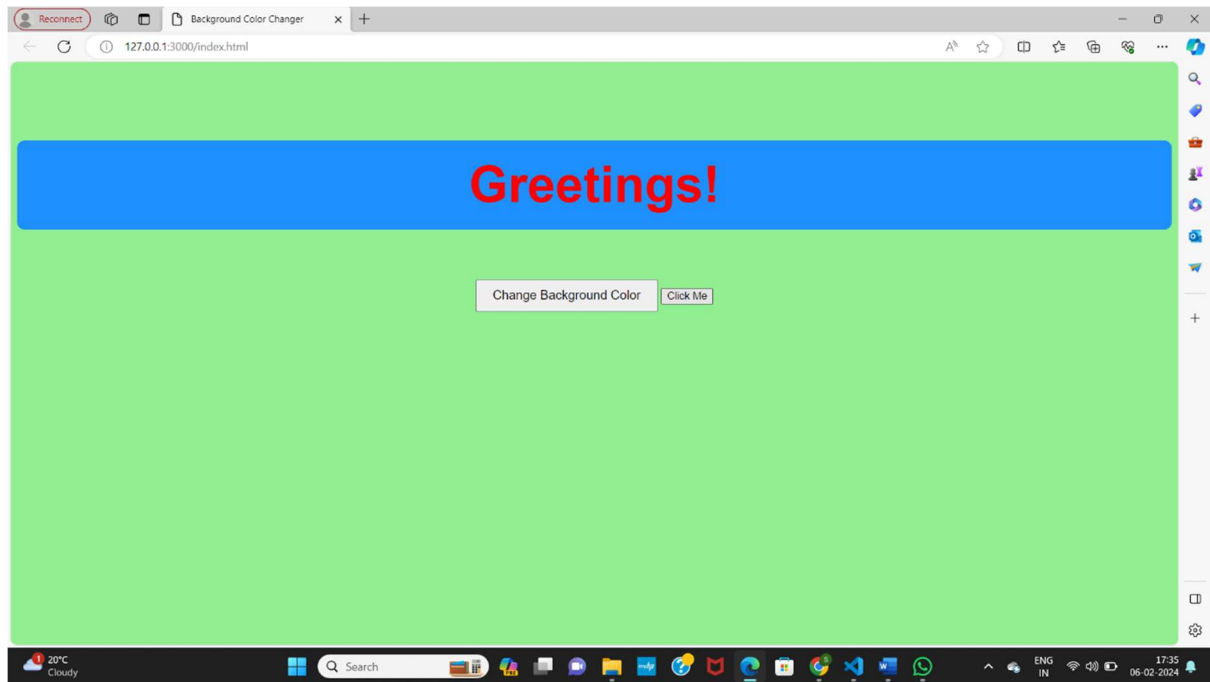
e. Add <button>Click Me</button> after the closing </h1>.
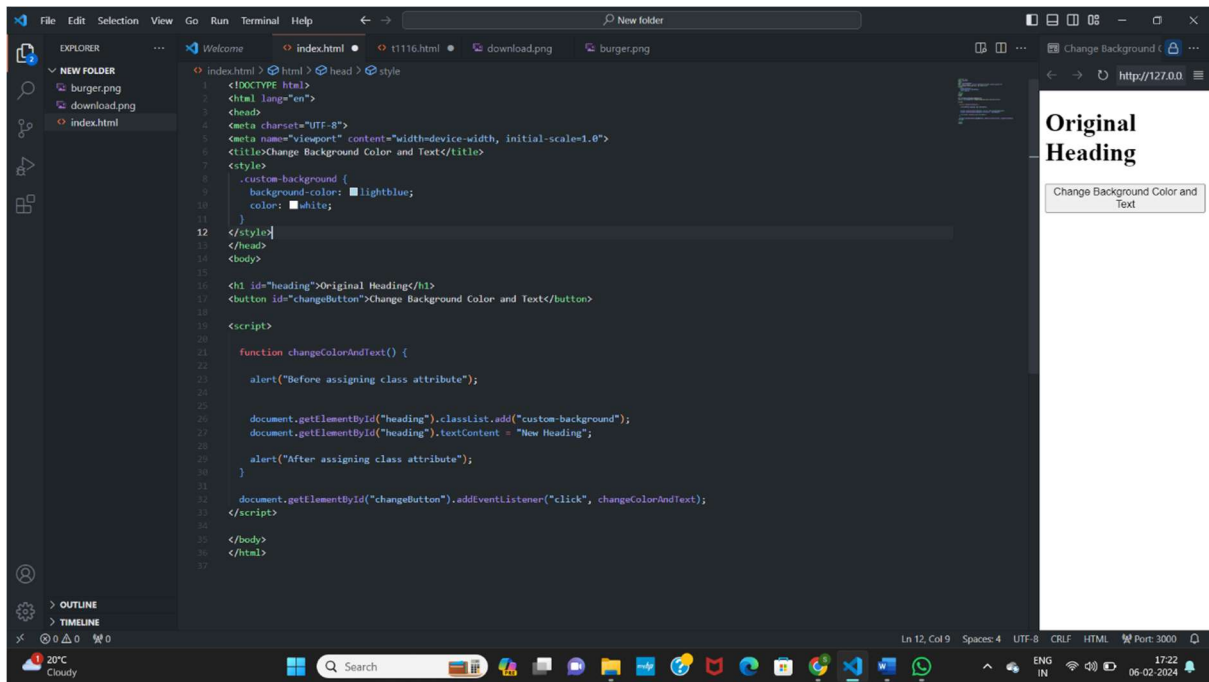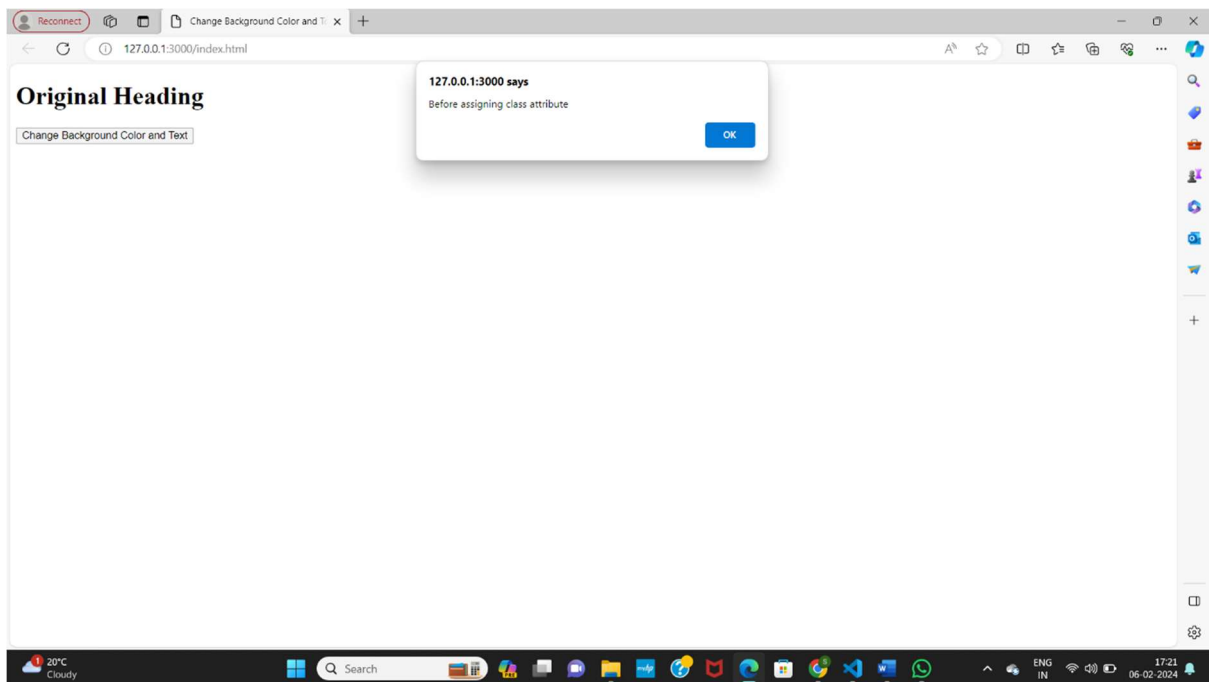
Answer

Output

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.

Answer

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Change Background Color and Text</title>
<style>
    .custom-background {
        background-color: lightblue;
        color: white;
    }
</style>
</head>
<body>

<h1 id="heading">Original Heading</h1>
<button id="changeButton">Change Background Color and Text</button>

<script>

    function changeColorAndText() {

        alert("Before assigning class attribute");


        document.getElementById("heading").classList.add("custom-background");
        document.getElementById("heading").textContent = "New Heading";

        alert("After assigning class attribute");
    }

    document.getElementById("changeButton").addEventListener("click", changeColorAndText);
</script>

</body>
</html>
```
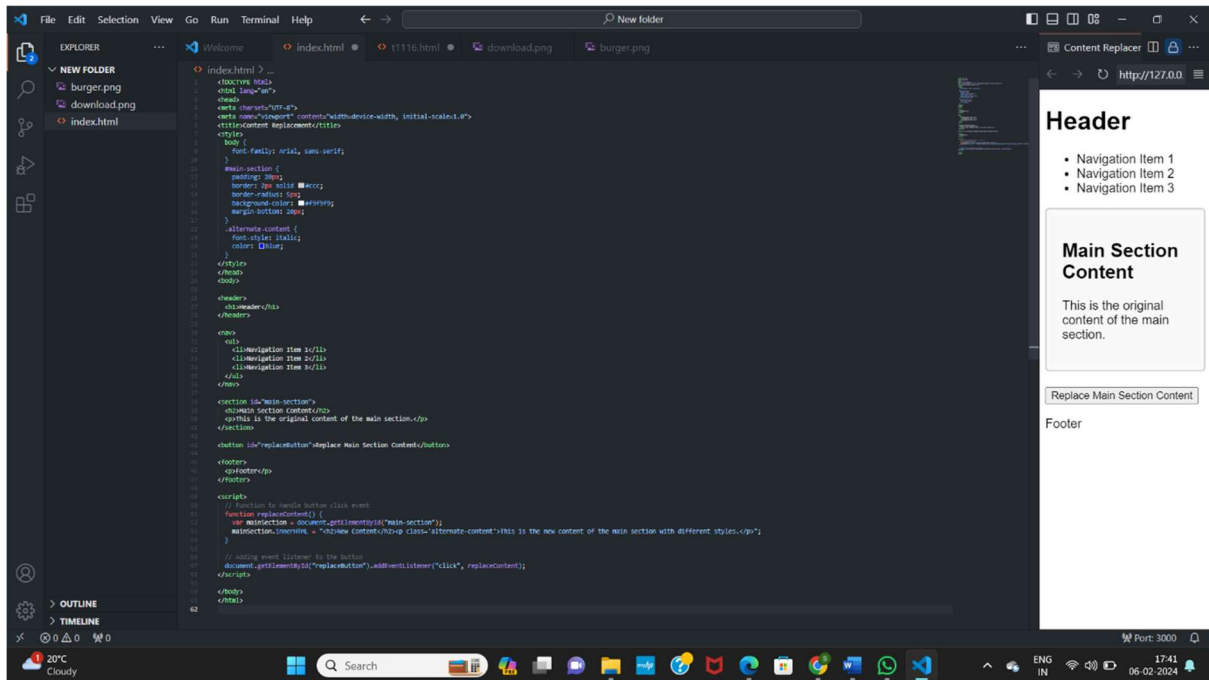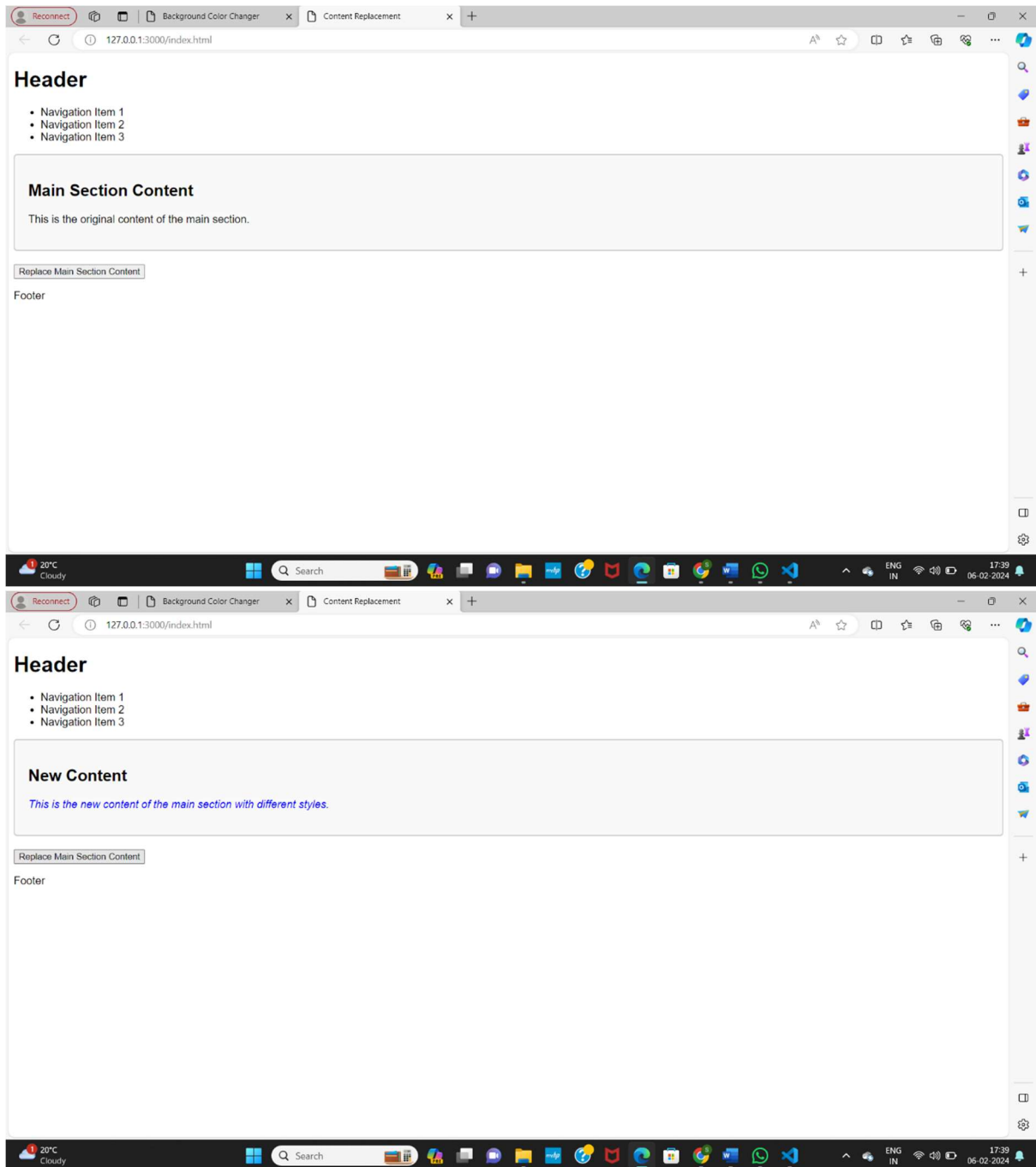
Output

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.
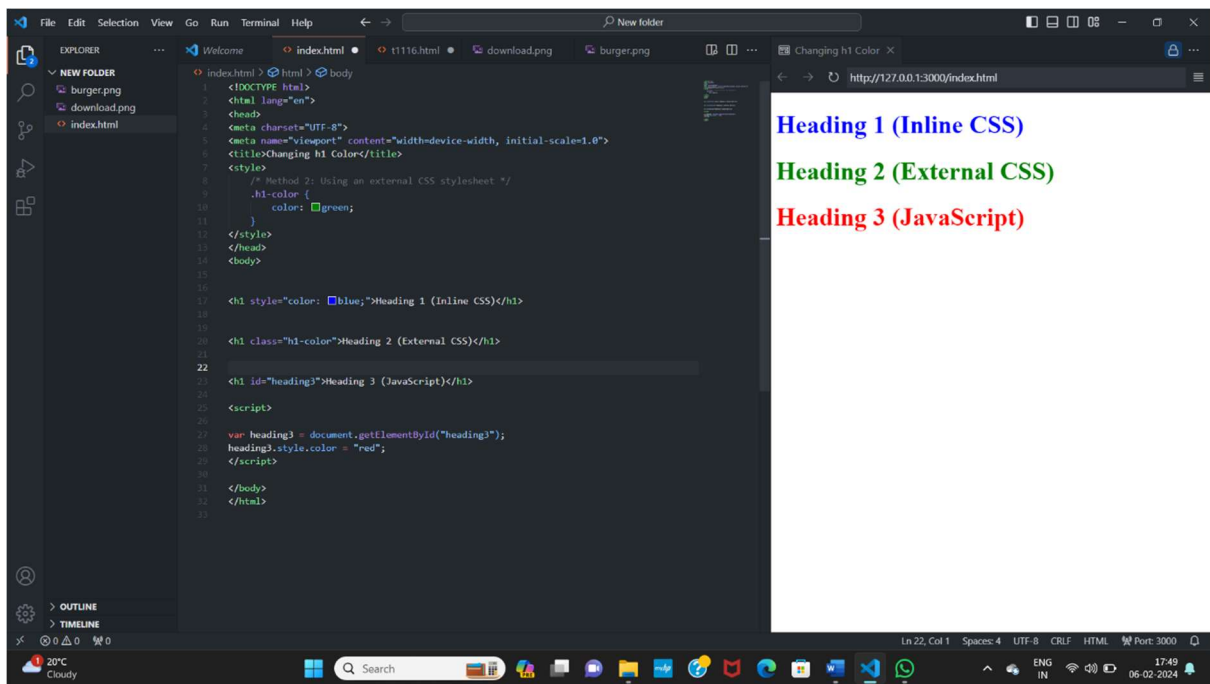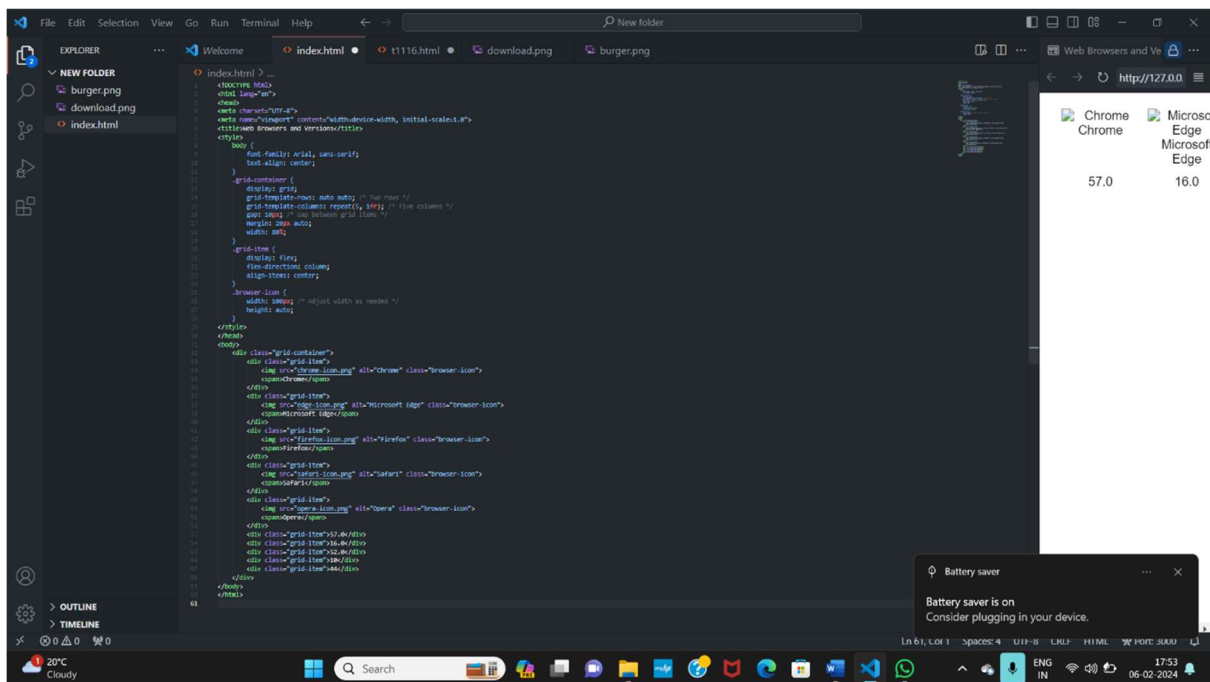
Answer

Output

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.

Answer

T6.)

Output

Chrome	Microsoft Edge	Firefox	Safari	Opera
Chrome	Microsoft Edge	Firefox	Safari	Opera
57.0	16.0	52.0	10	44