<!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</title>

<style>

    body {

        font-family: Arial, sans-serif;

        text-align: center;

        background-color: #f0f0f0;

    }

    h1 {

        color: #333;

    }

    .button {

        padding: 10px 20px;

        background-color: #007bff;

        color: #fff;

        border: none;

        cursor: pointer;

        border-radius: 5px;

    }

</style>

</head>

<body>

<h1 id="heading">Old Heading</h1>

<button class="button" onclick="changeBackground()">Change Background</button>

<script>

function changeBackground() {

    var heading = document.getElementById("heading");

    var body = document.body;

    if (body.style.backgroundColor === "white") {

        body.style.backgroundColor = "#f0f0f0";

        heading.textContent = "Original Heading";

    } else {

        body.style.backgroundColor = "yellow";

        heading.textContent = "New Heading";

    }

}

</script>

</body>

</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</title>

<style>

    body {

        font-family: Arial, sans-serif;

        text-align: center;

        background-color: #f0f0f0;

    }

    h1 {

        color: #333;

        font-size: 24pt; /\* Change the fontSize to 24pt \*/

    }

    .button {

        padding: 10px 20px;

        background-color: #007bff;

        color: #fff;

        border: none;

        cursor: pointer;

        border-radius: 5px;

    }

</style>

</head>

<body>

<h1 id="heading">Old Heading</h1>

<button class="button" onclick="changeBackground()">Change Background</button>

<script>

function changeBackground() {

    var heading = document.getElementById("heading");

    var body = document.body;

    if (body.style.backgroundColor === "white") {

        body.style.backgroundColor = "lightgreen"; // Make the background light green

        heading.textContent = "New Heading"; // Change the wording inside the <h1> tag

        heading.style.color = "red"; // Add a line that makes the text red

        heading.style.fontSize = "48pt"; // Change the fontSize to 48pt

    } else {

        body.style.backgroundColor = "white";

        heading.textContent = "Original Heading";

        heading.style.color = "#333"; // Reset the text color

        heading.style.fontSize = "24pt"; // Reset the fontSize

    }

}

</script>

<button onclick="alert('Button clicked!')">Click Me</button> <!-- Add <button>Click Me</button> after the closing </h1> -->

</body>

</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</title>

<style>

    body {

        font-family: Arial, sans-serif;

        text-align: center;

        background-color: #f0f0f0;

    }

    .light-green-background {

        background-color: lightgreen; /\* Define a class for light green background \*/

    }

    h1 {

        color: #333;

        font-size: 24pt;

    }

    .button {

        padding: 10px 20px;

        background-color: #007bff;

        color: #fff;

        border: none;

        cursor: pointer;

        border-radius: 5px;

    }

</style>

</head>

<body>

<h1 id="heading">Original Heading</h1>

<button class="button" onclick="changeBackground()">Change Background</button>

<script>

function changeBackground() {

    alert("Before setting the class attribute."); // Alert before setting the class attribute

    var body = document.body;

    body.classList.add("light-green-background"); // Set the background color directly with the class attribute

    alert("After setting the class attribute."); // Alert after setting the class attribute

    var heading = document.getElementById("heading");

    heading.textContent = "Modified Heading";

}

</script>

<button onclick="alert('Button clicked!')">Click Me</button>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Page with Main Section Content Replacement</title>

<style>

    body {

        font-family: Arial, sans-serif;

        text-align: center;

    }

    main {

        padding: 20px;

        background-color: #f0f0f0;

        margin: 20px auto;

        width: 80%;

        border-radius: 10px;

        box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

    }

    .original-content {

        font-size: 18px;

        color: #333;

    }

    .new-content {

        font-size: 24px;

        color: #007bff;

        font-weight: bold;

    }

    .button {

        padding: 10px 20px;

        background-color: #007bff;

        color: #fff;

        border: none;

        cursor: pointer;

        border-radius: 5px;

    }

</style>

</head>

<body>

<h1>Page with Main Section Content Replacement</h1>

<main id="main-section" class="original-content">

    <p>This is the original content inside the main section.</p>

</main>

<button class="button" onclick="replaceContent()">Replace Content</button>

<script>

function replaceContent() {

    var mainSection = document.getElementById("main-section");

    mainSection.innerHTML = "<p class='new-content'>This is the new content inside the main section with a different style.</p>";

}

</script>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Changing h1 Color</title>

<style>

    /\* Method 2: Using an external CSS stylesheet \*/

    .h1-color {

        color: green;

    }

</style>

</head>

<body>

<!-- Method 1: Using inline CSS directly in the <h1> tag -->

<h1 style="color: blue;">Heading 1 (Inline CSS)</h1>

<!-- Method 2: Using an external CSS stylesheet -->

<h1 class="h1-color">Heading 2 (External CSS)</h1>

<!-- Method 3: Using JavaScript to dynamically change the style -->

<h1 id="heading3">Heading 3 (JavaScript)</h1>

<script>

// Method 3: Using JavaScript to dynamically change the style

var heading3 = document.getElementById("heading3");

heading3.style.color = "red";

</script>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Web Browsers and Version Numbers</title>

<style>

    body {

        font-family: Arial, sans-serif;

        margin: 0;

        padding: 0;

    }

    .container {

        display: grid;

        grid-template-rows: auto auto; /\* Two rows, one for icons and one for version numbers \*/

        justify-content: center;

        border: 2px solid #333; /\* Add border to the table \*/

        border-collapse: collapse; /\* Collapse table borders \*/

    }

    .container div {

        padding: 10px;

        text-align: center;

    }

    img {

        width: 50px;

        height: auto;

    }

</style>

</head>

<body>

<div class="container">

    <div><img src="chrome-icon.png" alt="Chrome Icon"></div>

    <div><img src="edge-icon.png" alt="Edge Icon"></div>

    <div><img src="firefox-icon.png" alt="Firefox Icon"></div>

    <div><img src="safari-icon.png" alt="Safari Icon"></div>

    <div><img src="opera-icon.png" alt="Opera Icon"></div>

    <div>Chrome 57.0</div>

    <div>Microsoft Edge 16.0</div>

    <div>Firefox 52.0</div>

    <div>Safari 10</div>

    <div>Opera 44</div>

</div>

</body>

</html>

