

LAB - 04

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T1.

```
<!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>

    body {

      text-align: center;

      background-color: #f0f0f0;

    }

  </style>

</head>

<body>

  <h1 id="heading">Click the button to change the background color and text</h1>

  <button id="changeButton">Change</button>

  <script>

    document.getElementById('changeButton').addEventListener('click', function() {

      // Change background color

      document.body.style.backgroundColor = getRandomColor();

      // Change text

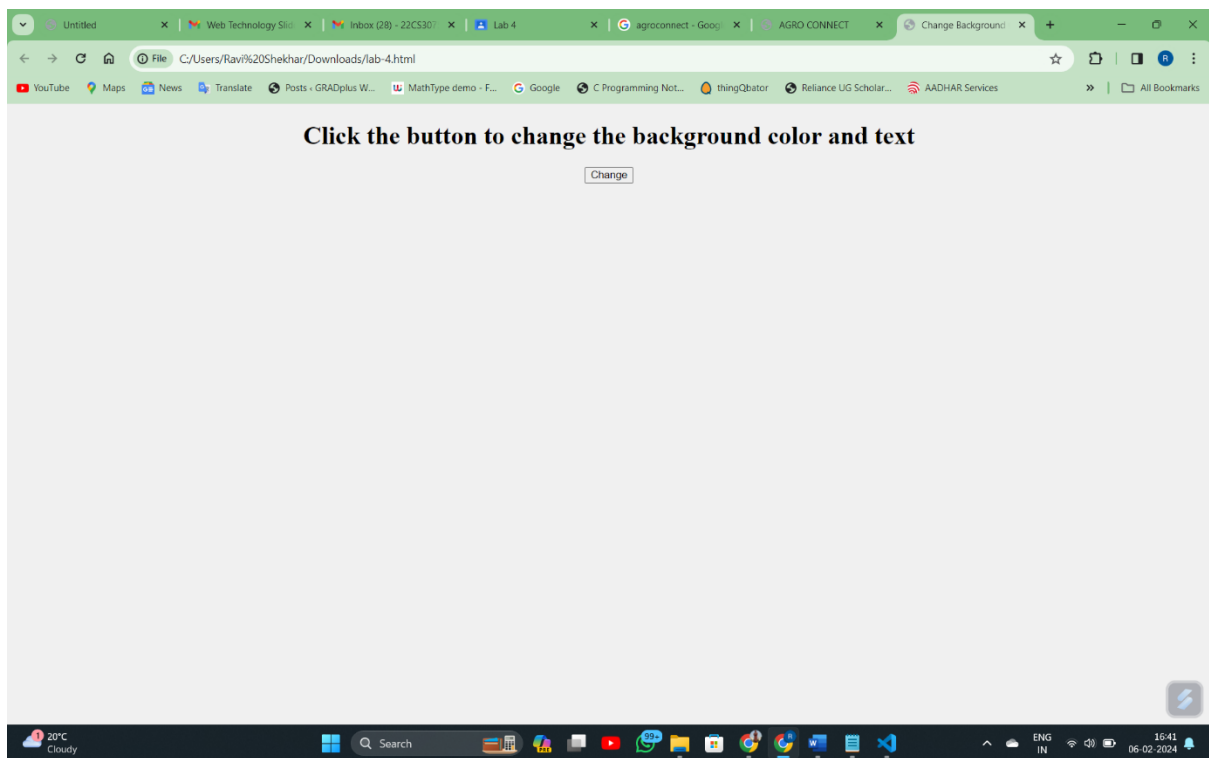
      var texts = ["Color Changed!", "Wow, look at the color!", "Background transformed!", "New vibes!"];

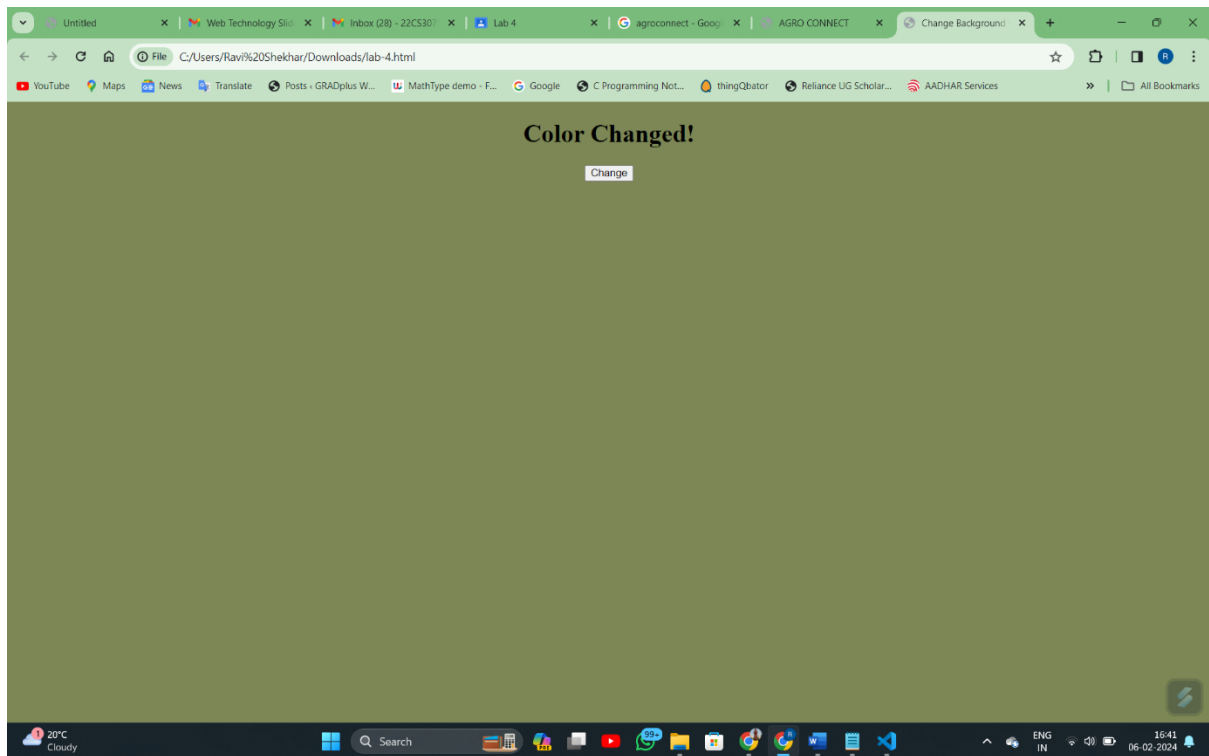
      var randomText = texts[Math.floor(Math.random()*texts.length)];
```

```
document.getElementById('heading').textContent = randomText;
});

function getRandomColor() {
    var letters = '0123456789ABCDEF';
    var color = '#';
    for (var i = 0; i < 6; i++) {
        color += letters[Math.floor(Math.random() * 16)];
    }
    return color;
}

</script>
</body>
</html>
```





T2.

```
<!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>
```

```
  body {
```

```
    text-align: center;
```

```
    background-color: #f0f0f0; /* Change background to light green */
```

```
  }
```

```
  h1 {
```

```
    color: red; /* Make the text red */
```

```
    font-size: 48pt; /* Change fontSize to 48pt */
```

```
  }
```

```
</style>
```

```
</head>

<body>

  <h1 id="heading">Click the button to change the background color and text</h1>

  <button id="changeButton">Change</button>


<script>

  document.getElementById('changeButton').addEventListener('click', function() {

    // Change background color

    document.body.style.backgroundColor = 'lightgreen';


    // Change text

    var texts = ["Color Changed!", "Wow, look at the color!", "Background transformed!", "New vibes!"];
    var randomText = texts[Math.floor(Math.random()*texts.length)];
    document.getElementById('heading').textContent = randomText;


    // Change the wording inside the <h1> tag

    document.getElementById('heading').textContent = "Background color and text changed!";

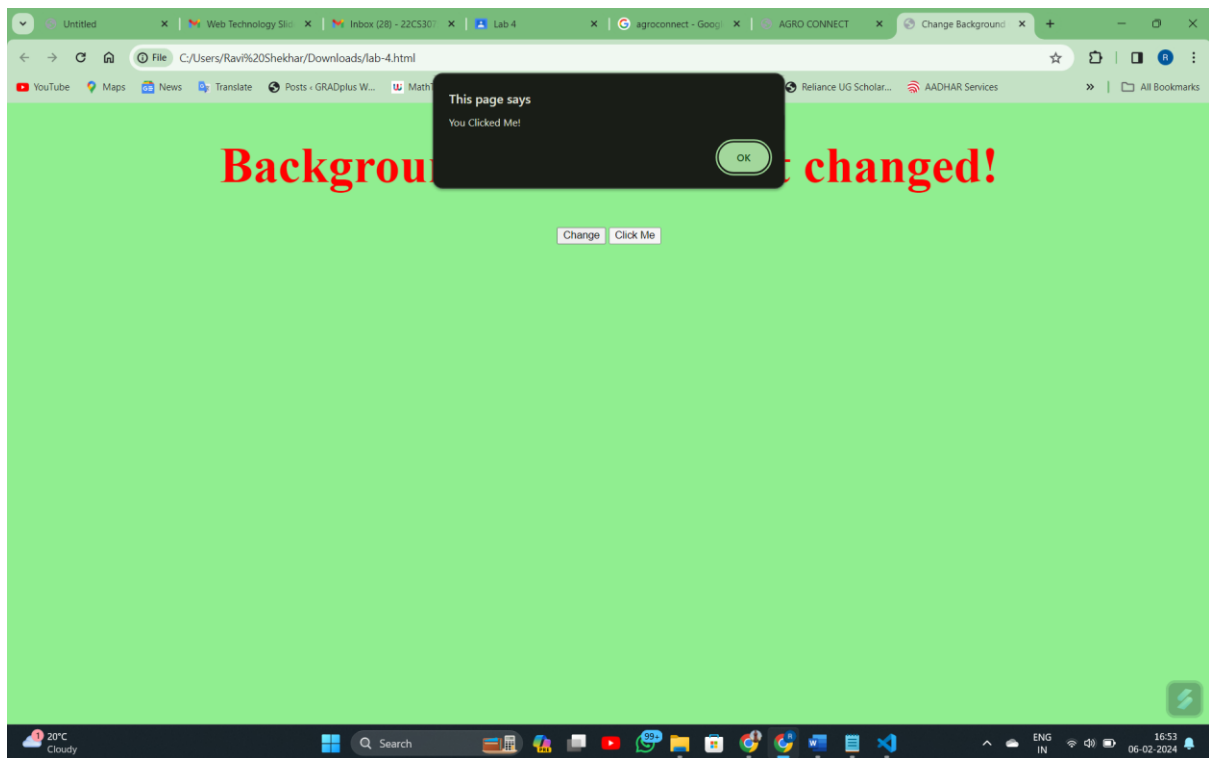
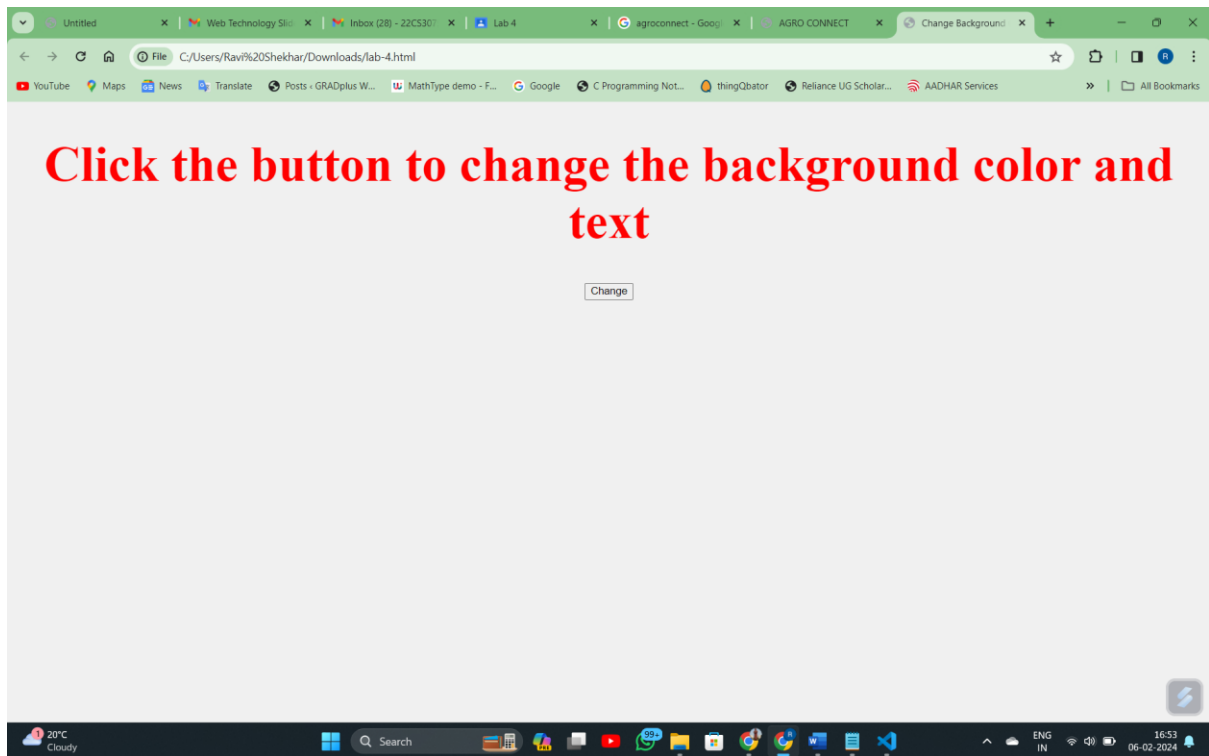

    // Add <button>Click Me</button> after the closing </h1>

    var button = document.createElement("button");
    button.textContent = "Click Me";
    button.addEventListener('click', function() {
      alert("You Clicked Me!");
    });
    document.body.appendChild(button);
  });

</script>

</body>

</html>
```



T3.

```
<!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 with Class</title>

<style>

    .light-green-bg {

        background-color: lightgreen;

    }

</style>

</head>

<body>

    <h1 id="heading">Click the button to change the background color</h1>

    <button id="changeButton">Change Background Color</button>


    <script>

        // Alert before assigning the class attribute

        alert("Are You Sure!");


        document.getElementById('changeButton').addEventListener('click', function() {

            // Change background color by assigning the class attribute

            document.body.className = 'light-green-bg';


            // Alert after assigning the class attribute

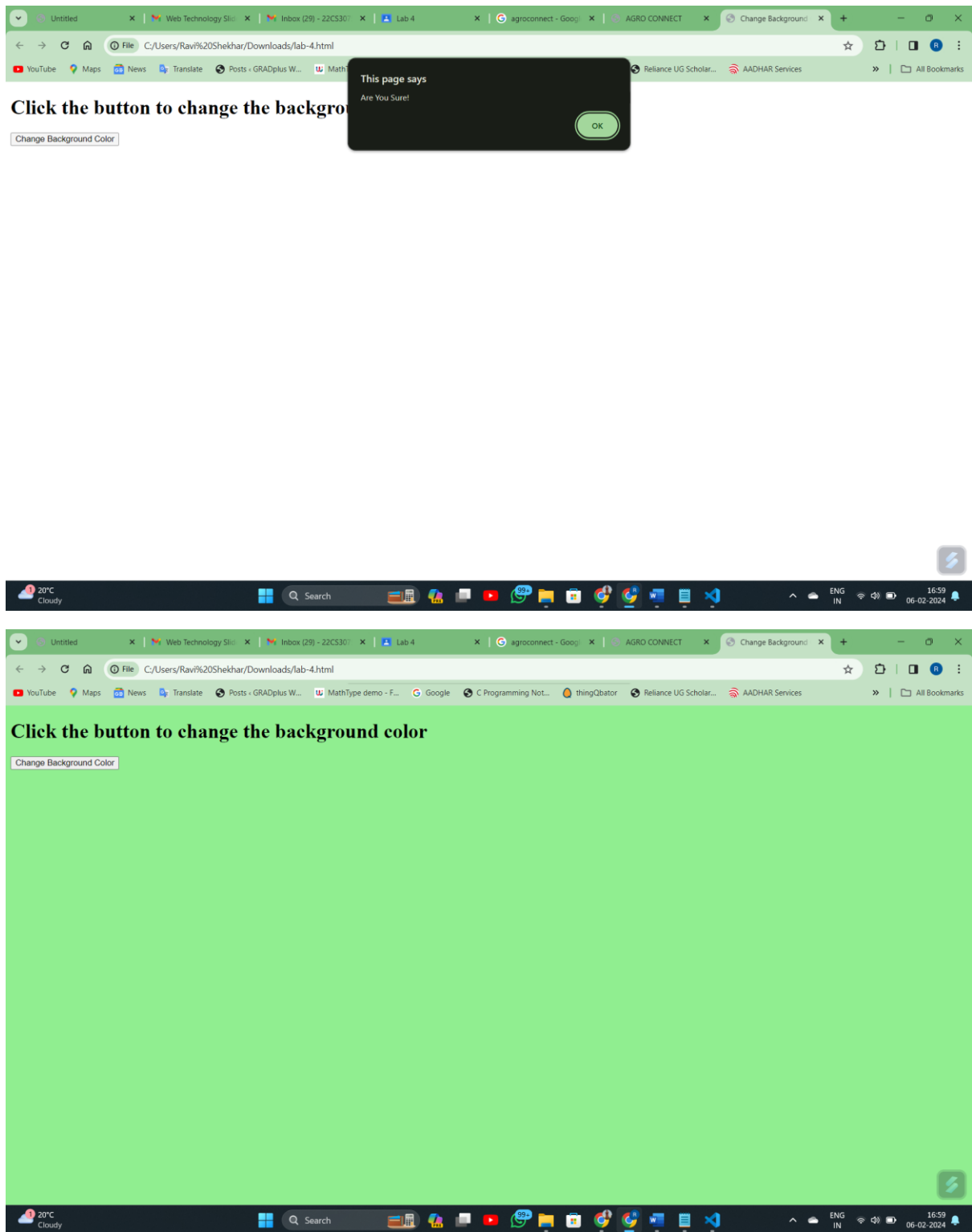
            alert("Are You Sure!");

        });

    </script>

</body>

</html>
```



T4.

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

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

```
<title>Replace Content on Click</title>
```

```
<style>
```

```
  body {  
    font-family: Arial, sans-serif;  
    margin: 0;  
    padding: 0;  
    background-color: #f0f0f0;  
  }
```

```
  header {  
    background-color: #333;  
    color: #fff;  
    padding: 10px 0;  
    text-align: center;  
  }
```

```
  nav {  
    background-color: #007bff;  
    color: #fff;  
    padding: 10px;  
  }
```

```
  main {  
    padding: 20px;  
    margin: 20px;  
    background-color: #fff;  
    border-radius: 5px;  
  }
```

```
  .content {  
    margin-top: 20px;
```



```
padding: 20px;

border: 2px solid #007bff;

border-radius: 5px;

}
```

```
#button {

padding: 10px 20px;

font-size: 16px;

cursor: pointer;

border: none;

outline: none;

background-color: #007bff;

color: #fff;

border-radius: 5px;

transition: background-color 0.3s;

}
```

```
#button:hover {

background-color: #0056b3;

}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<header>
```

```
<h1>Header</h1>
```

```
</header>
```

```
<nav>
```

```
<ul>
```

```
<li>Home</li>
```

```
<li>About Us</li>
```

```
<li>Donate Us</li>
```

```
</ul>
```

</nav>

<main>

<section id="originalContent" class="content">

<h2>Main Section Content</h2>

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

</section>

</main>

<button id="button">Replace Content</button>

<script>

document.getElementById('button').addEventListener('click', function() {

 alert("Are you sure to change the main content?");

 var mainSection = document.getElementById('originalContent');

 mainSection.innerHTML = `

 <h2>New Main Section Content</h2>

 <p>This is the new content of the main section.</p>

 <p>This content has a different style.</p>

 `;

 mainSection.style.backgroundColor = '#f8f8f8';

 mainSection.style.border = '2px solid #28a745';

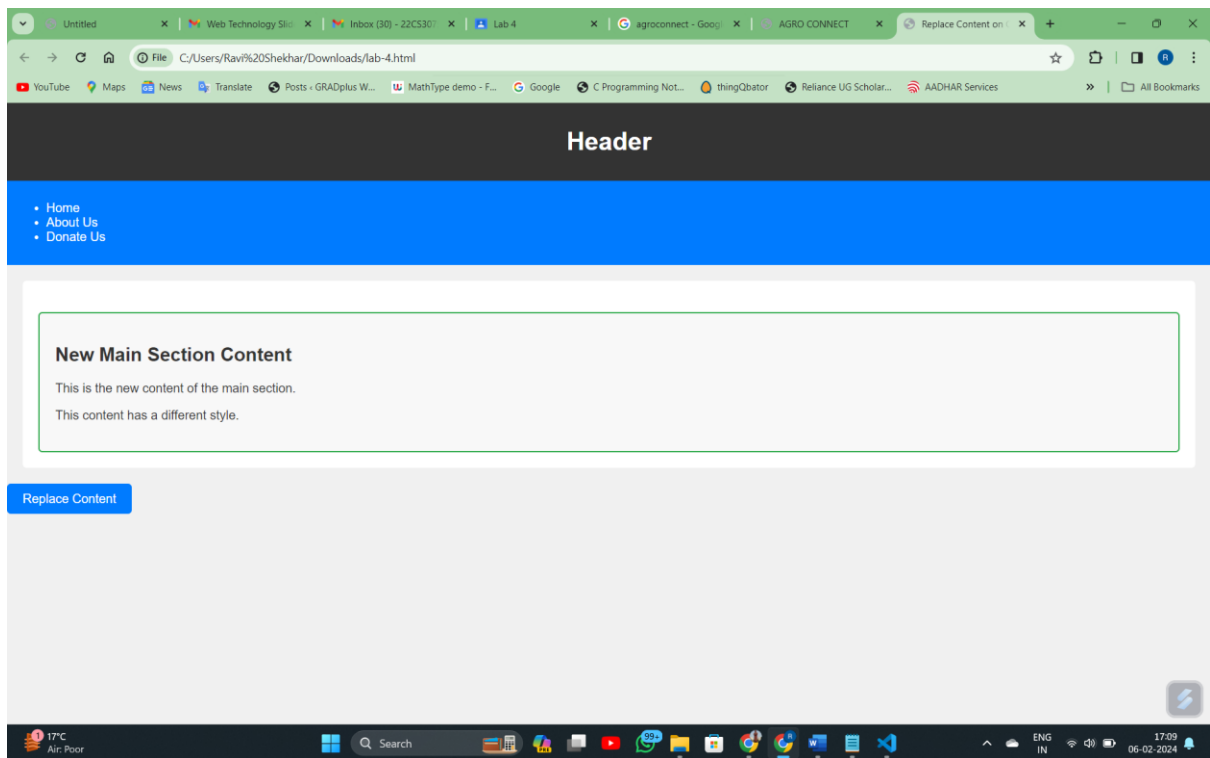
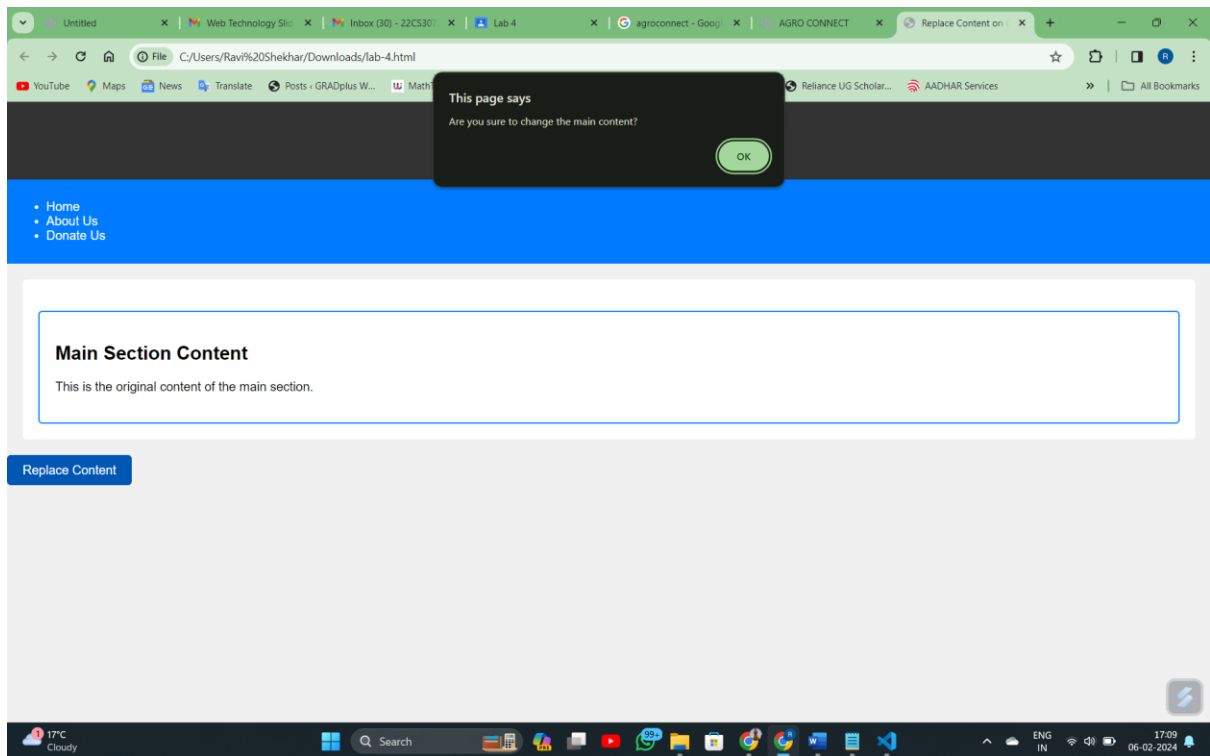
 mainSection.style.color = '#333';

});

</script>

</body>

</html>

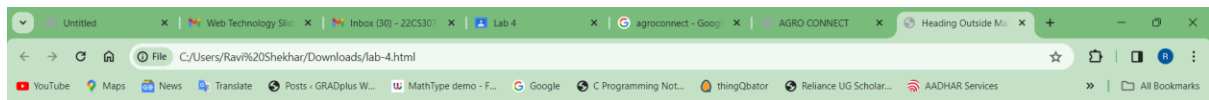


T5.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Heading Outside Main Section</title>
</head>
<body>
  <!-- Heading lying outside the main section -->
<h1 style="color: red;">Heading Outside Main Section</h1>

  <!-- Other content of the page goes here -->

  <!-- For demonstration purposes, let's add a main section -->
<main>
  <section>
    <h2>Main Section Heading</h2>
    <p>This is the content of the main section.</p>
  </section>
</main>
</body>
</html>
```



Heading Outside Main Section

Main Section Heading

This is the content of the main section.

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

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

```
  <title>Heading Outside Main Section</title>
```

```
<style>
```

```
  #outsideH1 {
```

```
    color: blue;
```

```
  }
```

```
</style>
```

```
<h1 id="outsideH1">Heading 1</h1>
```

```
</head>
```

```
<body>
```

```
  <!-- Other content of the page goes here -->
```

<!-- For demonstration purposes, let's add a main section -->

<main>

<section>

<h2>Main Section Heading</h2>

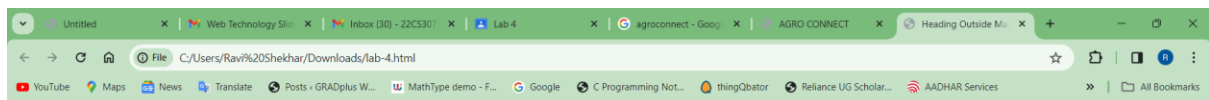
<p>This is the content of the main section.</p>

</section>

</main>

</body>

</html>



Heading 1

Main Section Heading

This is the content of the main section.



<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Change Color of h1 with JavaScript</title>

<style>

```
/* Define initial CSS styles for the h1 */
h1 {
    color: blue; /* Default color of the heading */
    text-align: center; /* Center-align the heading text */
    margin-top: 20px; /* Add some top margin to the heading */
}
</style>
</head>
<body>
    <!-- Heading lying outside the main section -->
    <h1 id="heading">Heading Outside Main Section</h1>

    <!-- Other content of the page goes here -->

    <!-- For demonstration purposes, let's add a main section -->
    <main>
        <section>
            <h2>Main Section Heading</h2>
            <p>This is the content of the main section.</p>
        </section>
    </main>

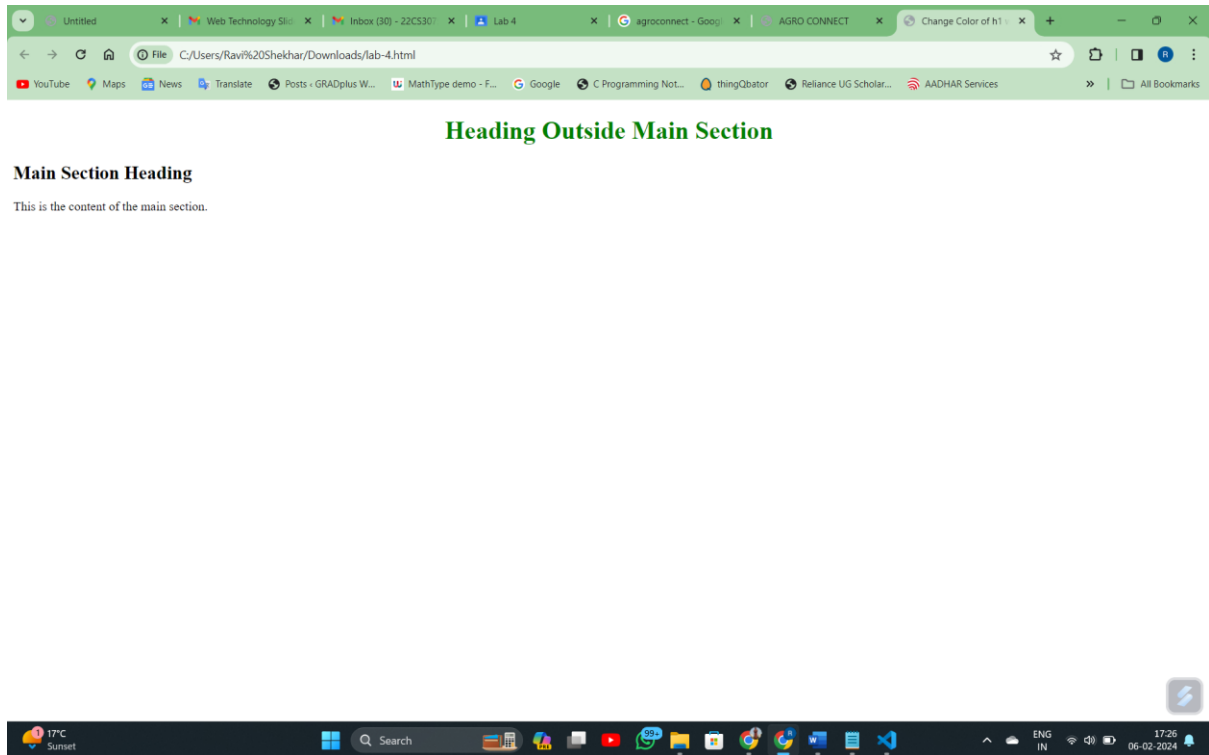
    <!-- JavaScript to change the color of the h1 -->
    <script>
        // Select the h1 element by its ID
        var heading = document.getElementById('heading');

        // Change the color of the heading using JavaScript
        heading.style.color = 'green'; // Change the color to green
```

</script>

</body>

</html>



T6.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Web Browser Versions</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

}


```

.container {
    display: grid;
    grid-template-rows: auto auto; /* Two rows with auto height */
    grid-template-columns: repeat(5, 1fr); /* Five columns with equal width */
    gap: 10px; /* Gap between grid items */
    padding: 20px;
}

.icon {
    text-align: center;
    background-color: #f2f2f2;
}

.version {
    text-align: center;
    background-color: #f2f2f2;
    padding: 10px;
}

img {
    width: 80px;
    height: 80px;
}

</style>
</head>
<body>
    <div class="container">
        <!-- Icons of various web browsers -->
        <div class="icon"></div>

```

```
<div class="icon"></div>
```

```
<div class="icon"></div>
```

```
<div class="icon"></div>
```

```
<div class="icon"></div>
```

```
<!-- Latest version numbers -->
```

```
<div class="version">Latest: 99.0</div>
```

```
<div class="version">Latest: 98.0</div>
```

```
<div class="version">Latest: 15.0</div>
```

```
<div class="version">Latest: 99.0</div>
```

```
<div class="version">Latest: 85.0</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

