

# WEB TECHNOLOGY LAB-4

Name - Payal Singh

Roll no- 22it3028

Q1. <!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Color Changer</title>

<style>

body {

text-align: center;

padding: 50px;

transition: background-color 0.5s, color 0.5s;

}

button {

padding: 10px 20px;

font-size: 16px;

cursor: pointer;

}

</style>

</head>

<body>

<h1 id="pageTitle">Color Changer App</h1>

<button id="colorButton" onclick="changeColor()">Change Color</button>

<script>

function changeColor() {

var body = document.body;

var pageTitle = document.getElementById('pageTitle');

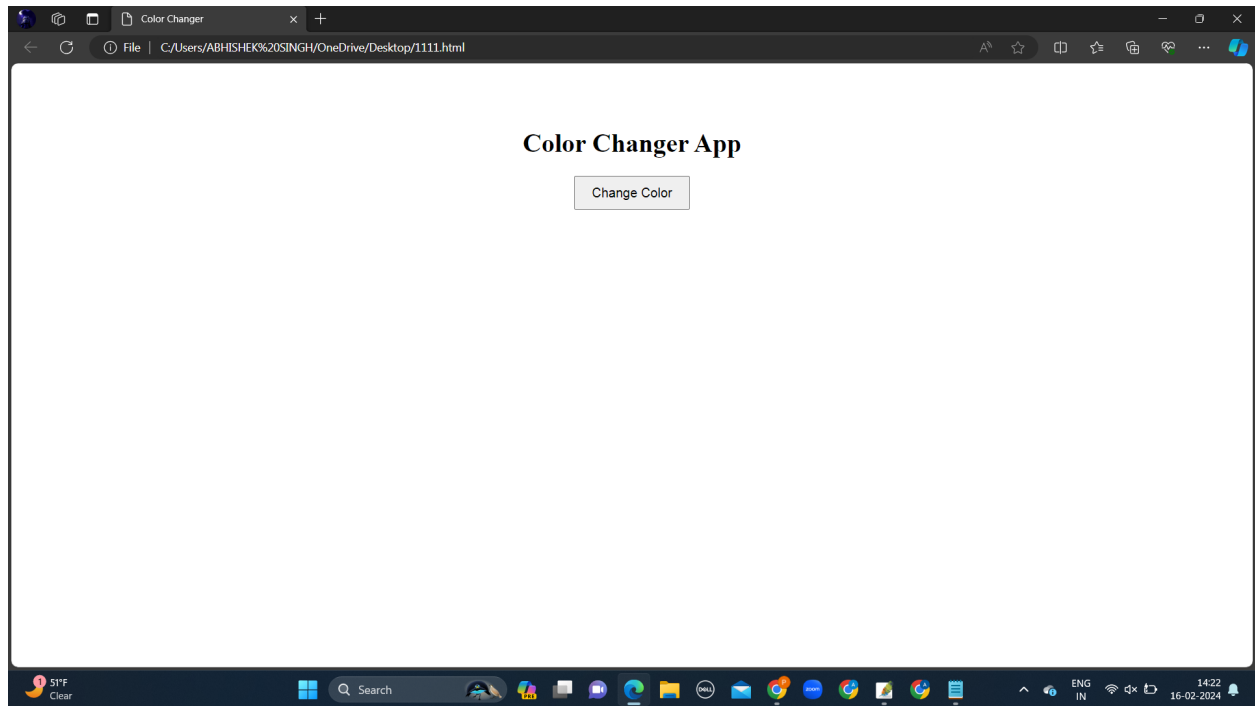
// Generate a random color

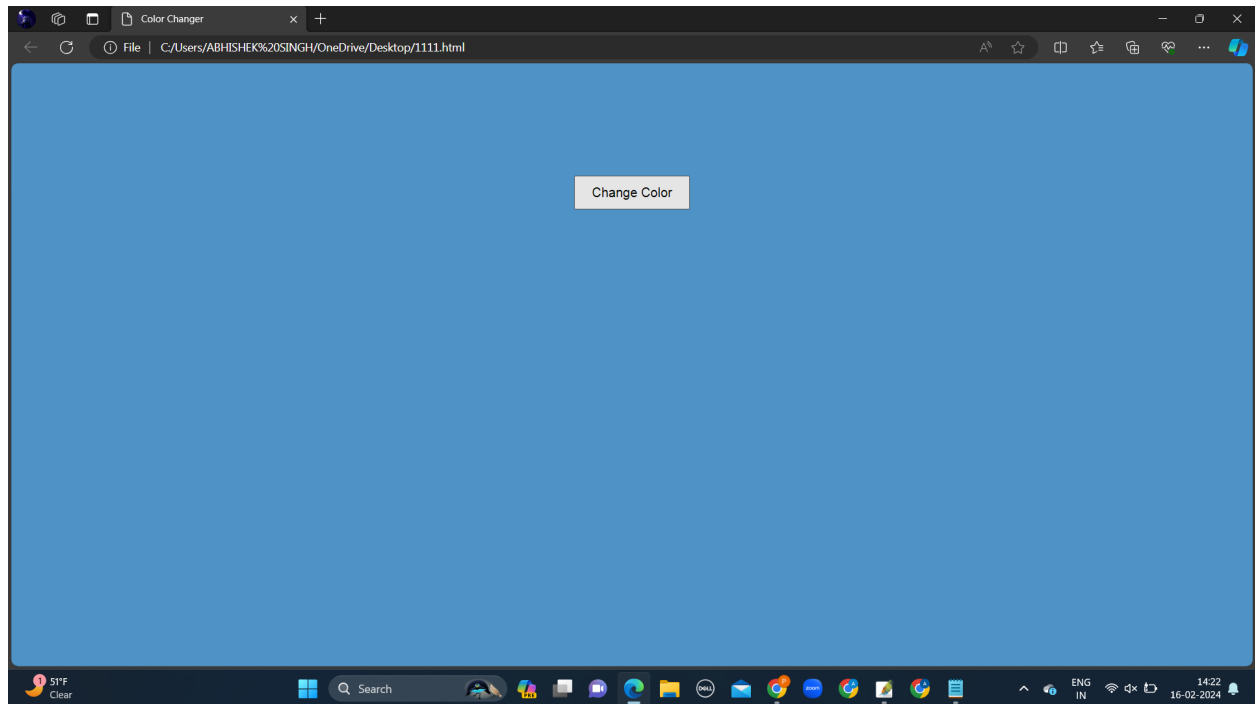
var randomColor = '#' + Math.floor(Math.random()\*16777215).toString(16

```
        body.style.backgroundColor = randomColor;  
        pageTitle.style.color = randomColor;  
    }  
</script>
```

```
</body>
```

```
</html>
```





```
Q2.<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Color Changer</title>
  <style>
    body {
      text-align: center;
      padding: 50px;
      transition: background-color 0.5s, color 0.5s;
    }
    button {
      padding: 10px 20px;
      font-size: 16px;
      cursor: pointer;
    }
  </style>
</head>
<body>
```

```
<h1 id="pageTitle">Color Changer App</h1>
<button id="colorButton" onclick="changeColor()">Change Color</button>

<script>
  function changeColor() {
    var body = document.body;
    var pageTitle = document.getElementById('pageTitle');

    // Task a: Make the background light green
    body.style.backgroundColor = 'lightgreen';

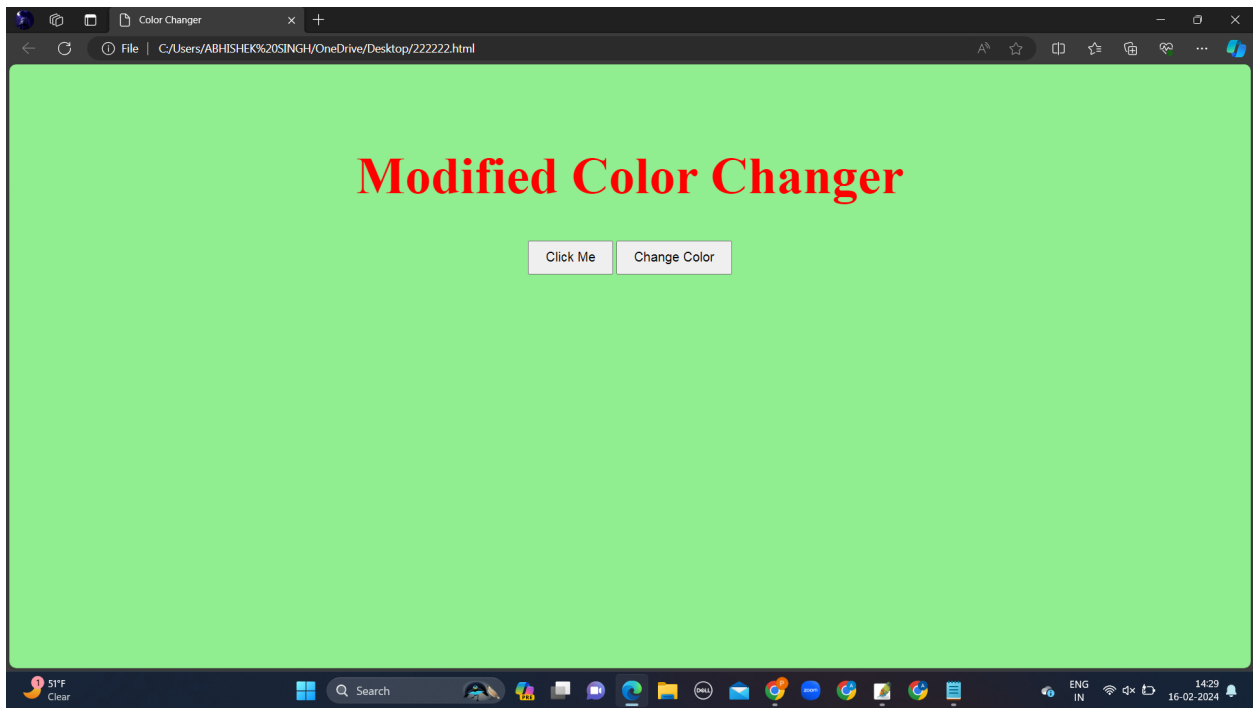
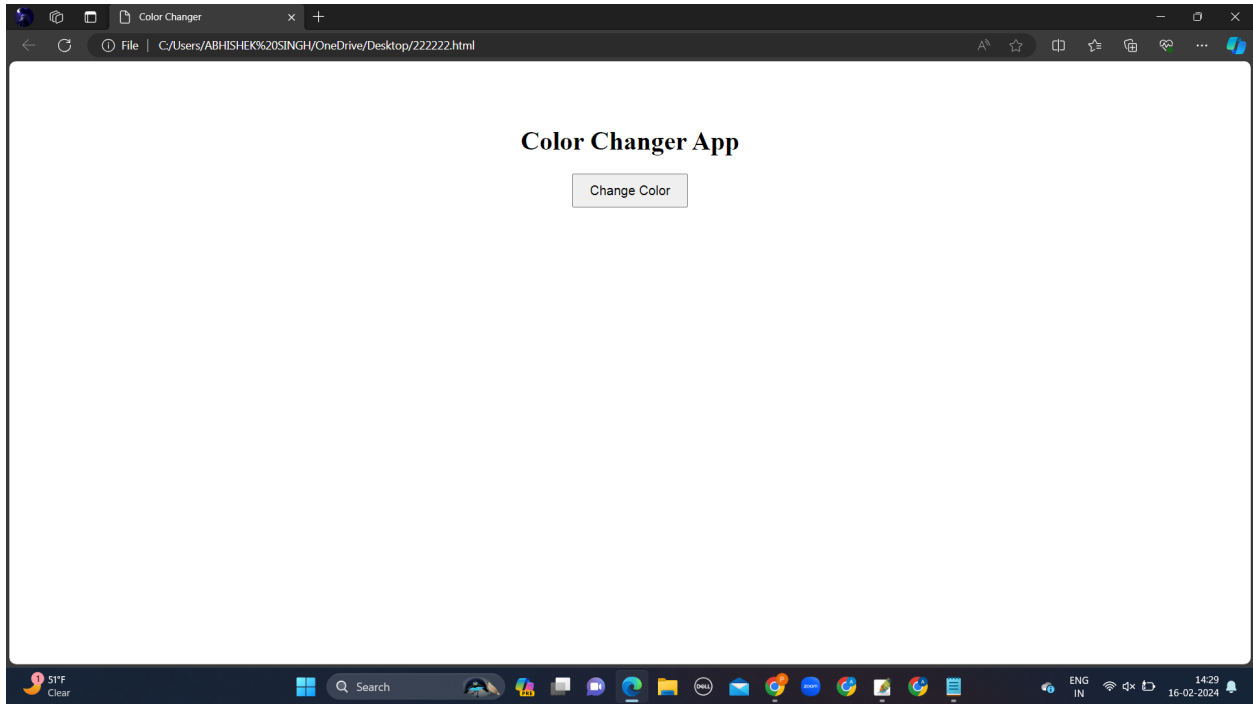
    // Task b: Add a line that makes the text red
    pageTitle.style.color = 'red';

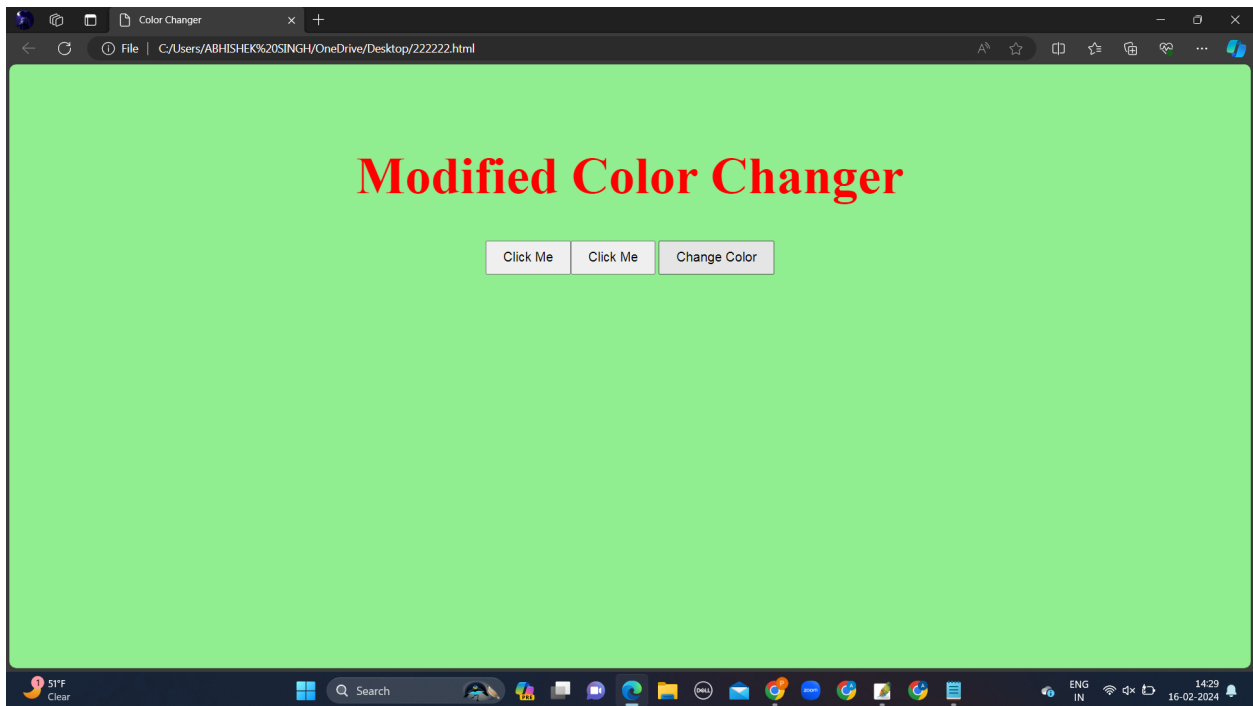
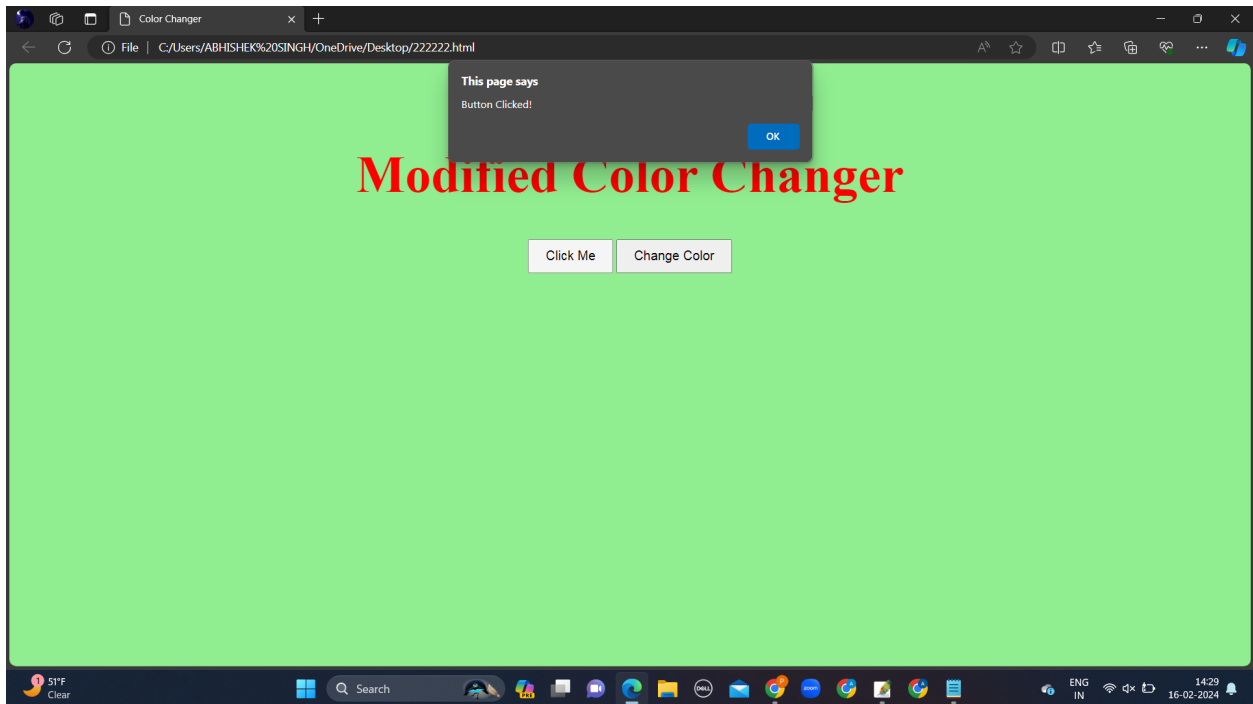
    // Task c: Change the fontSize to 48pt
    pageTitle.style.fontSize = '48pt';

    // Task d: Change the wording inside the <h1> tag in the Javascript
    pageTitle.innerText = 'Modified Color Changer';

    // Task e: Add <button>Click Me</button> after the closing </h1>
    pageTitle.insertAdjacentHTML('afterend', '<button onclick="alert(\'Button
Clicked!\')">Click Me</button>');
  }
</script>

</body>
</html>
```





Q3.<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

```
<title>Color Changer</title>
<style>
  body {
    text-align: center;
    padding: 50px;
    transition: background-color 0.5s, color 0.5s;
  }
  .lightGreenBackground {
    background-color: lightgreen;
  }
  button {
    padding: 10px 20px;
    font-size: 16px;
    cursor: pointer;
  }
</style>
</head>
<body>

  <h1 id="pageTitle">Color Changer App</h1>
  <button id="colorButton" onclick="changeColor()">Change Color</button>

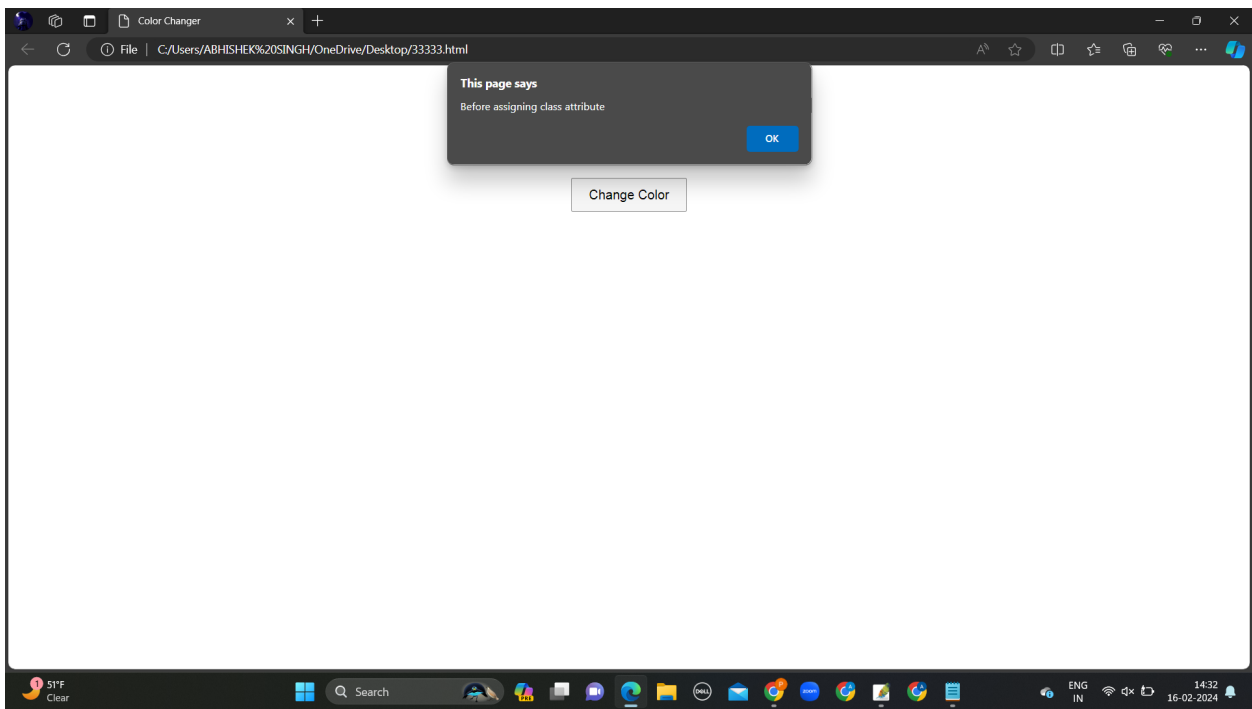
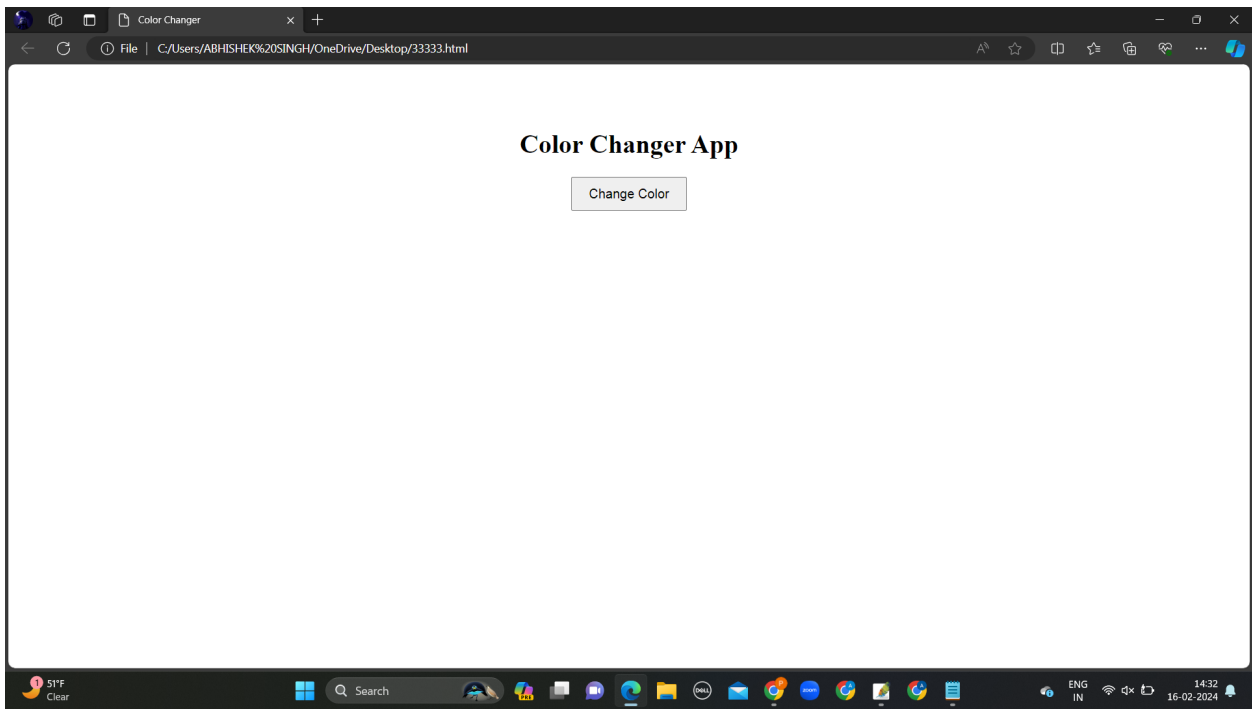
  <script>
    function changeColor() {
      var body = document.body;
      var pageTitle = document.getElementById('pageTitle');

      alert('Before assigning class attribute');

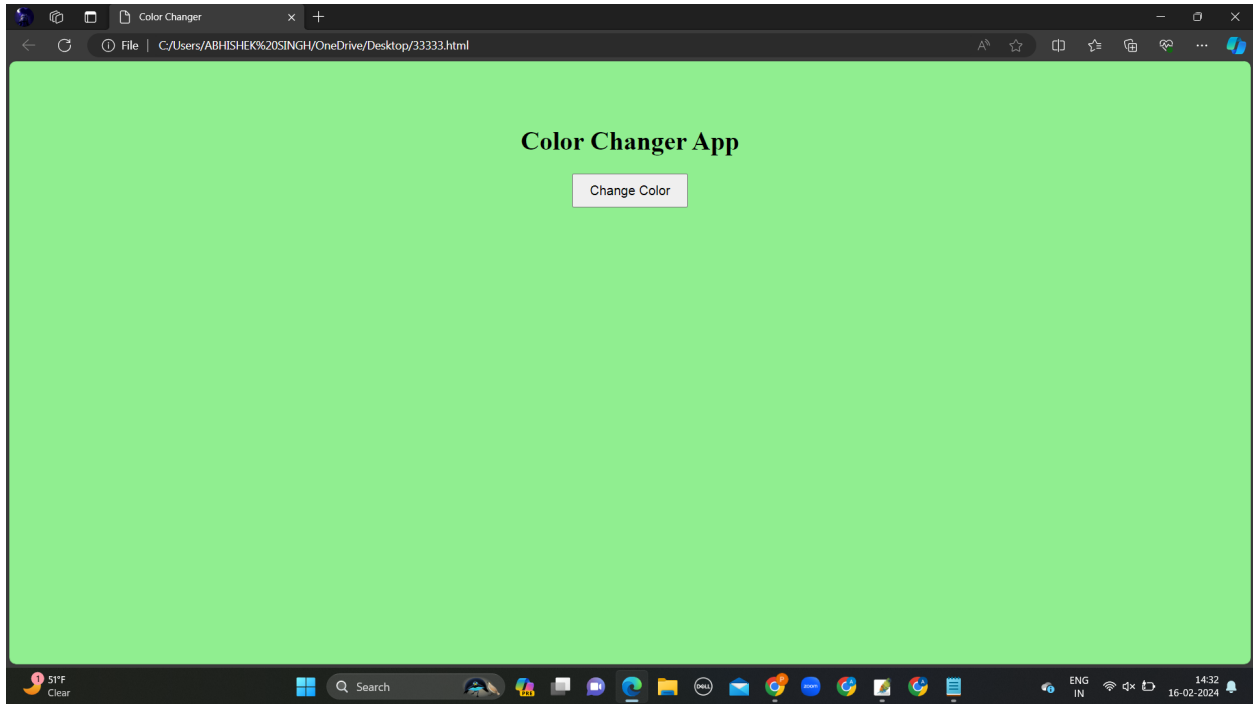
      body.className = 'lightGreenBackground';

      alert('After assigning class attribute');
    }
  </script>
```

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







```
Q4.<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Content Replacer</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 20px;
    }
    main {
      border: 2px solid #333;
      padding: 20px;
      margin: 10px;
      background-color: #f0f0f0;
    }
    #styledContent {
      color: blue;
      font-size: 18px;
      font-weight: bold;
```

```
    }
    button {
      padding: 10px 20px;
      font-size: 16px;
      cursor: pointer;
    }
  </style>
</head>
<body>

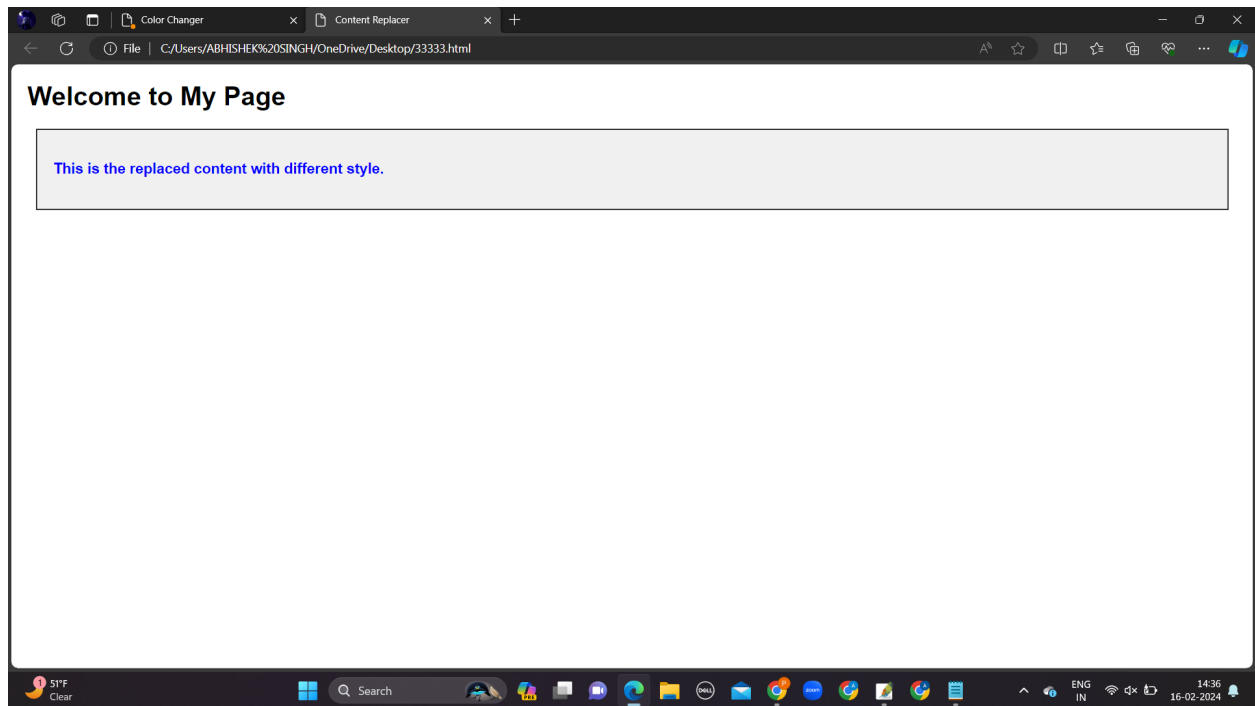
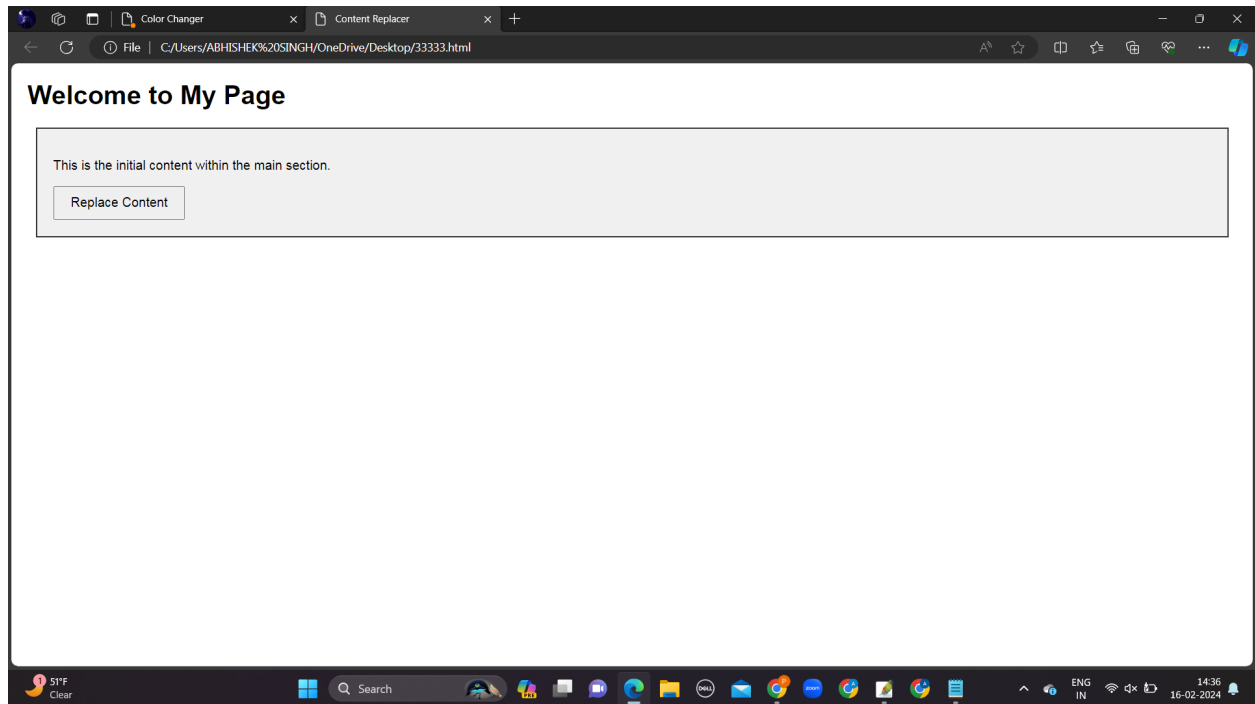
  <h1>Welcome to My Page</h1>

  <main id="mainContent">
    <p>This is the initial content within the main section.</p>
    <button onclick="replaceContent()">Replace Content</button>
  </main>

  <script>
    function replaceContent() {
      var mainContent = document.getElementById('mainContent');
      var newContent = document.createElement('div');
      newContent.innerHTML = "<p id='styledContent'>This is the replaced
content with different style.</p>";

      mainContent.innerHTML = "";
      mainContent.appendChild(newContent);
    }
  </script>

</body>
</html>
```



Q5.<!DOCTYPE html>  
<html lang="en">  
<head>  
<meta charset="UTF-8">

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

```
<title>Change h1 Color</title>
```

```
</head>
```

```
<body>
```

```
<h1 style="color: red;">Heading with Inline CSS</h1>
```

```
<main>
```

```
  <section>
```

```
    <h2>Main Section</h2>
```

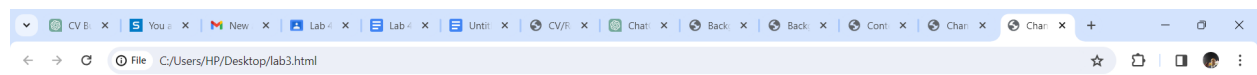
```
    <p>This is the main content section.</p>
```

```
  </section>
```

```
</main>
```

```
</body>
```

```
</html>
```



## Heading with Inline CSS

### Main Section

This is the main content section.



```
<!DOCTYPE html>
```

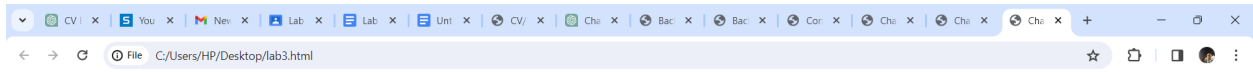
```
<html lang="en">
```

```
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Change h1 Color</title>
<style>
  h1 {
    color: blue;
  }
</style>
</head>
<body>

<h1>Heading with Internal CSS</h1>

<main>
  <section>
    <h2>Main Section</h2>
    <p>This is the main content section.</p>
  </section>
</main>

</body>
</html>
```



## Heading with Internal CSS

### Main Section

This is the main content section.

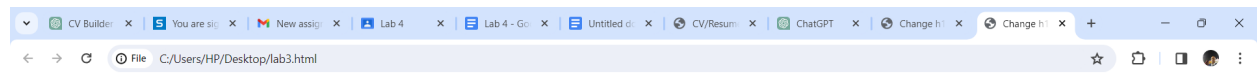


```
3.<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Change h1 Color</title>
<link rel="stylesheet" type="text/css" href="st.css">
</head>
<body>

<h1>Heading with External CSS</h1>

<main>
  <section>
    <h2>Main Section</h2>
    <p>This is the main content section.</p>
  </section>
</main>
```

```
</body>
</html>
h1 {
  color: green;
}
```



## Heading with External CSS

### Main Section

This is the main content section.



```
Q6.<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Browser Versions</title>
<style>
  body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
  }
```

```
.grid-container {
  display: grid;
  grid-template-columns: repeat(5, 1fr); /* 5 columns for the 5 browsers */
  gap: 10px;
  justify-content: center;
  align-items: center;
  padding: 20px;
}
.browser-icon {
  text-align: center;
}
.browser-icon img {
  width: 100px;
}
.browser-version {
  text-align: center;
}
</style>
</head>
<body>

<div class="grid-container">
  <div class="browser-icon"></div>
  <div class="browser-icon"></div>
  <div class="browser-icon"></div>
  <div class="browser-icon"></div>
  <div class="browser-icon"></div>
```



</div>

<div class="grid-container">

<div class="browser-version">Latest Version: 98.0.4758.102 (64-bit)</div>

<div class="browser-version">Latest Version: 98.0.1108.62 (64-bit)</div>

<div class="browser-version">Latest Version: 97.0 (64-bit)</div>

<div class="browser-version">Latest Version: 15.3.1</div>

<div class="browser-version">Latest Version: 79.0.3945.130</div>

</div>

</body>

</html>

