WEB TECHNOLOGY

Lab Assignment – 04

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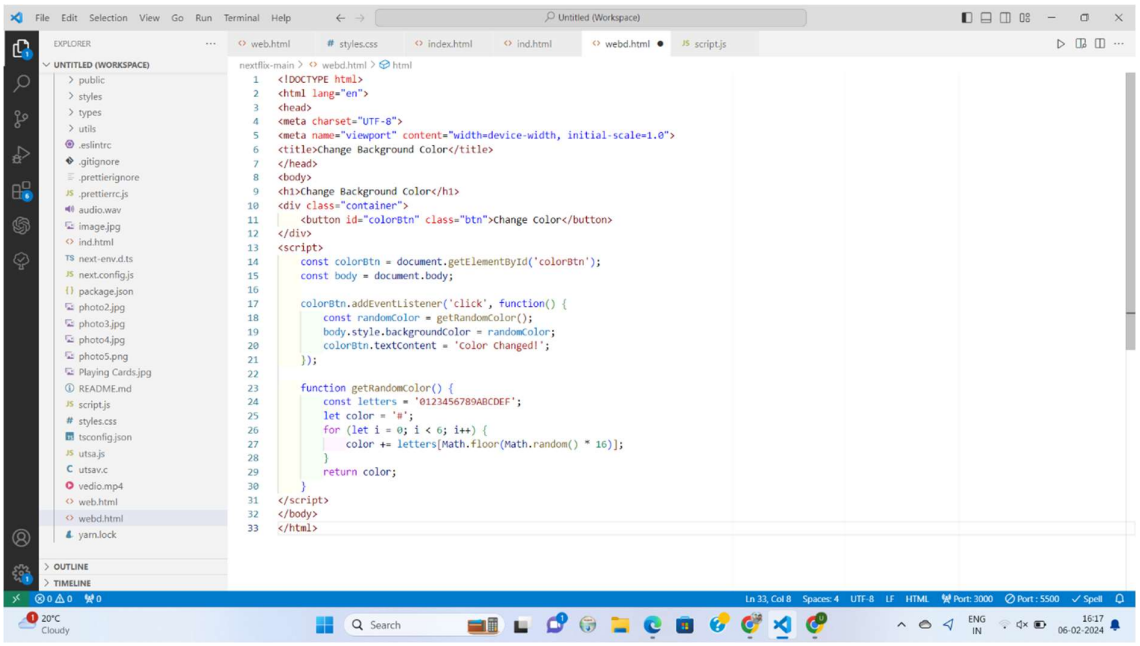
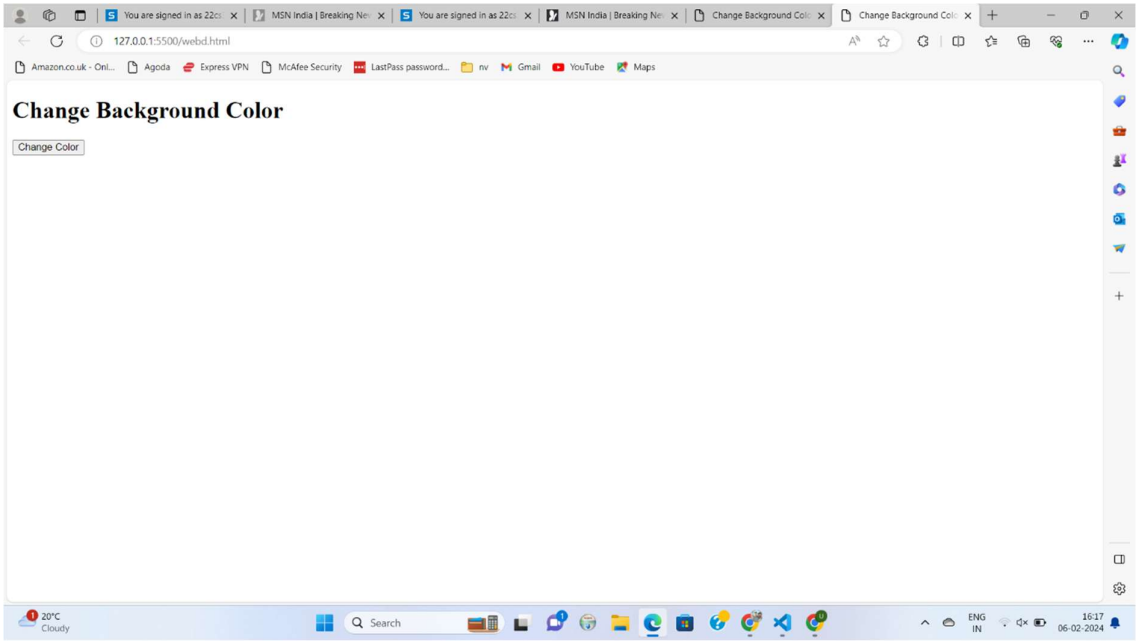
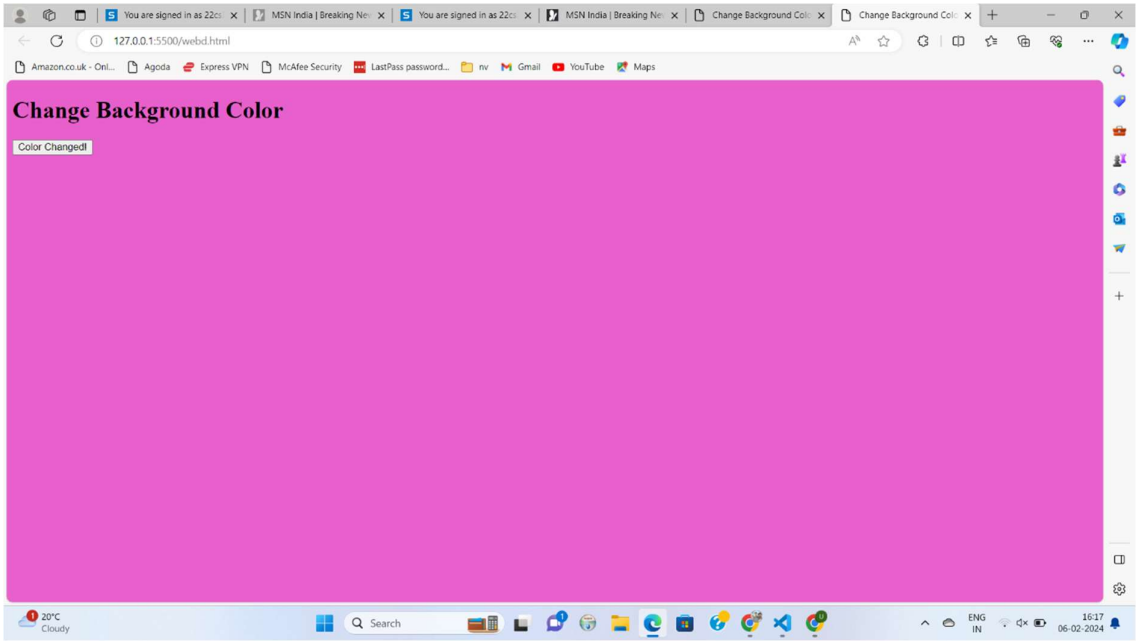
Branch :- CSE

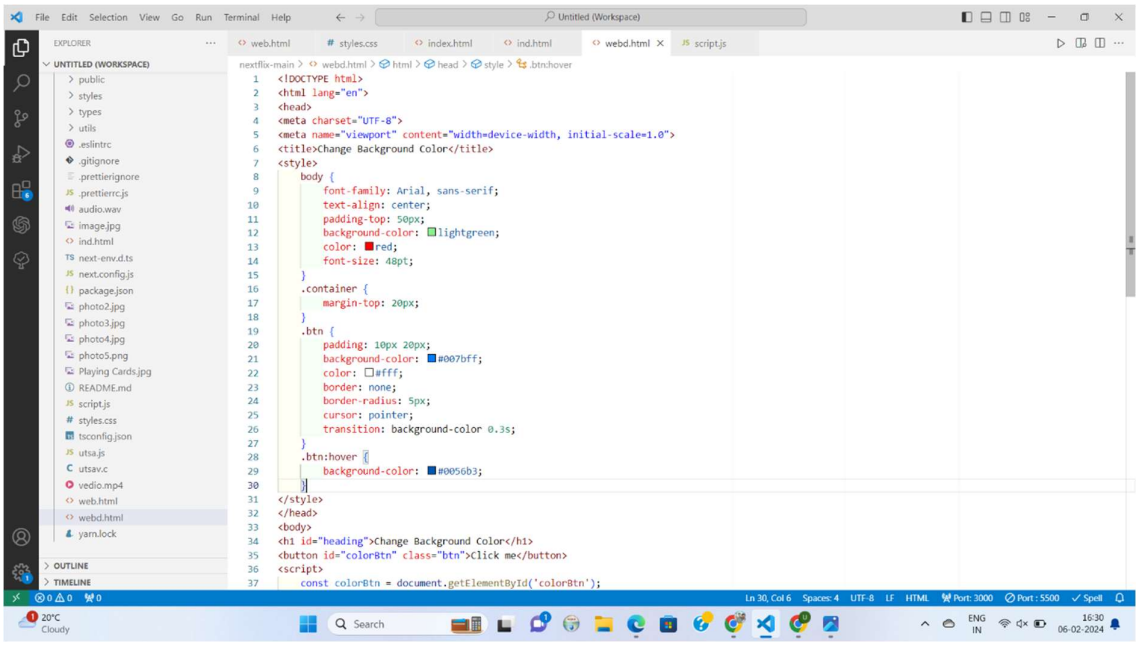
Task 1)



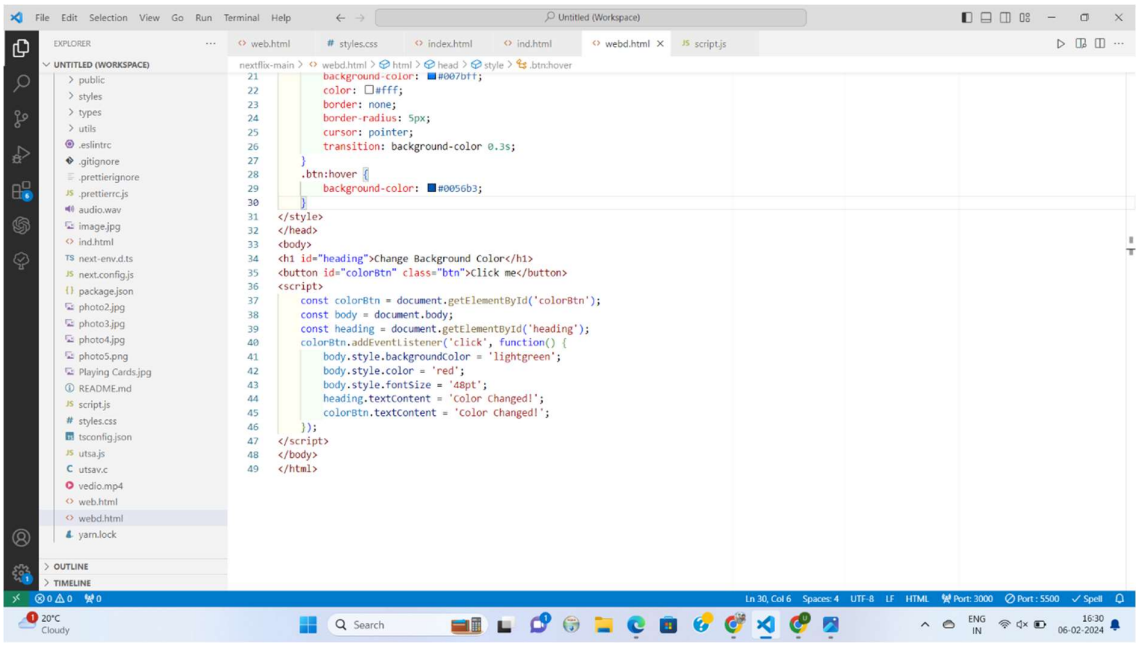

127.0.0.1:5500/webd.html
Change Background Color
Change Color


127.0.0.1:5500/webd.html
Change Background Color
Color Changed!

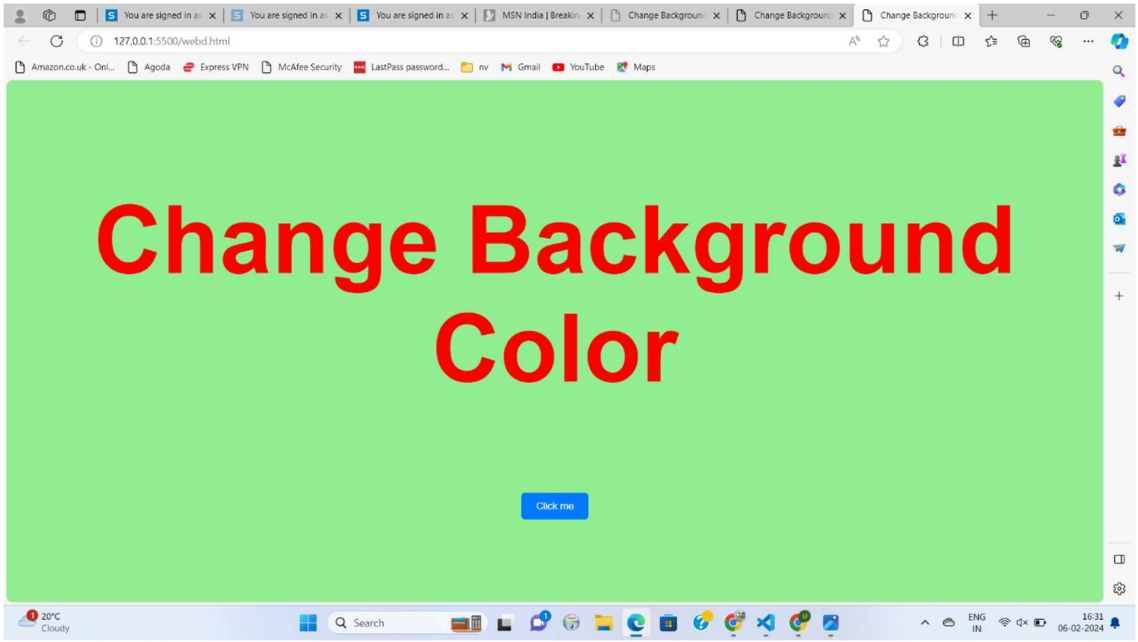
Task 2)

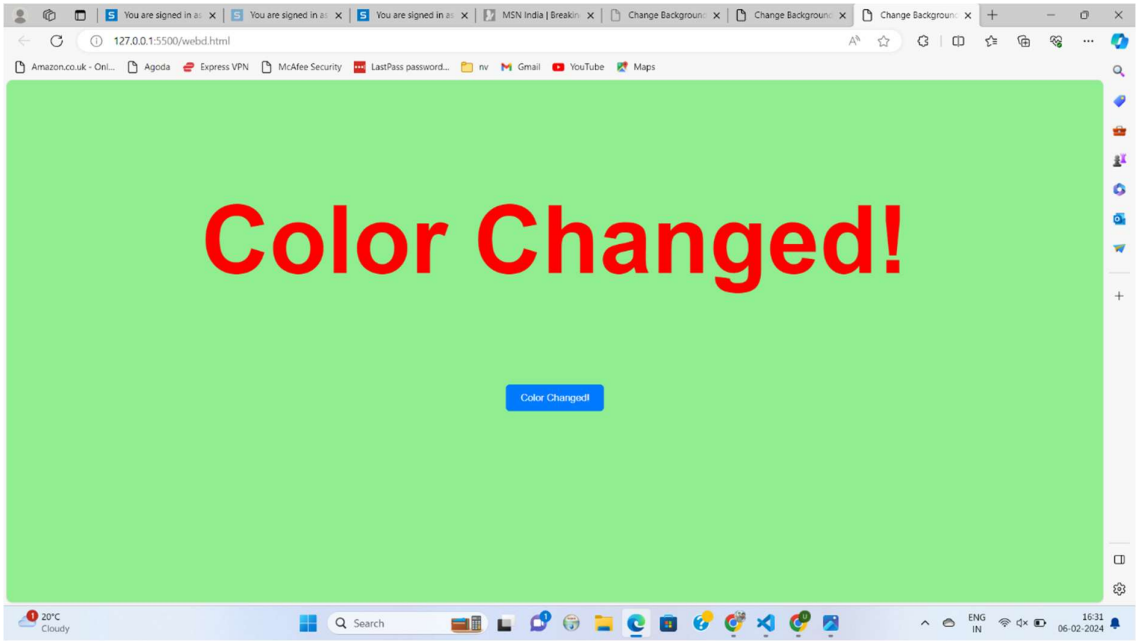


```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Change Background Color</title>
<style>
    body {
        font-family: Arial, sans-serif;
        text-align: center;
        padding-top: 50px;
        background-color: lightgreen;
        color: red;
        font-size: 48pt;
    }
    .container {
        margin-top: 20px;
    }
    .btn {
        padding: 10px 20px;
        background-color: #007bff;
        color: #fff;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        transition: background-color 0.3s;
    }
    .btn:hover {
        background-color: #0056b3;
    }
</style>
</head>
<body>
<h1 id="heading">Change Background Color</h1>
<button id="colorBtn" class="btn">Click me</button>
<script>
    const colorBtn = document.getElementById('colorBtn');
```

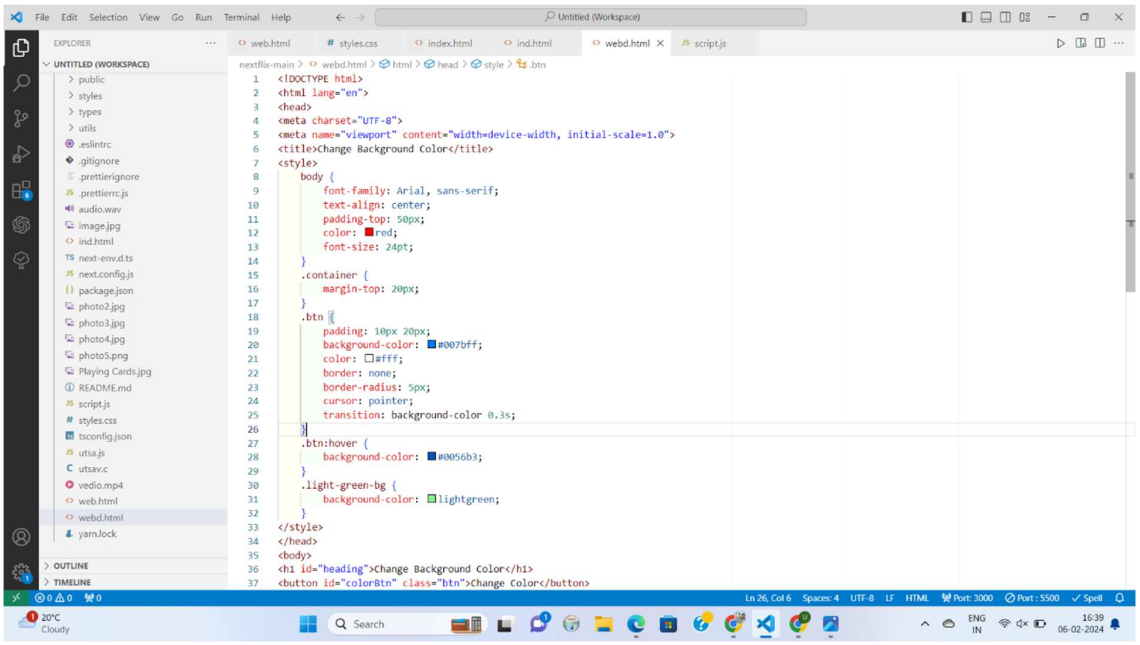


```
    const body = document.body;
    const heading = document.getElementById('heading');
    colorBtn.addEventListener('click', function() {
        body.style.backgroundColor = 'lightgreen';
        body.style.color = 'red';
        body.style.fontSize = '48pt';
        heading.textContent = 'Color Changed!';
        colorBtn.textContent = 'Color Changed!';
    });
</script>
</body>
</html>
```

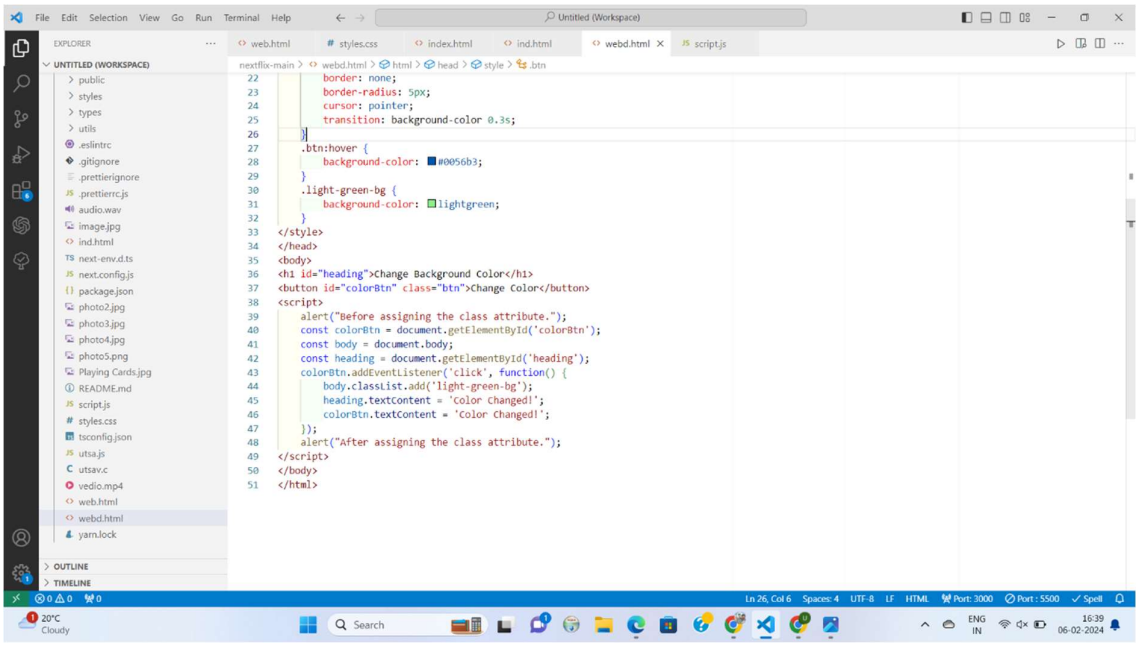

127.0.0.1:5500/webd.html
Change Background Color
Click me


127.0.0.1:5500/webd.html
Color Changed!
Color Changed!

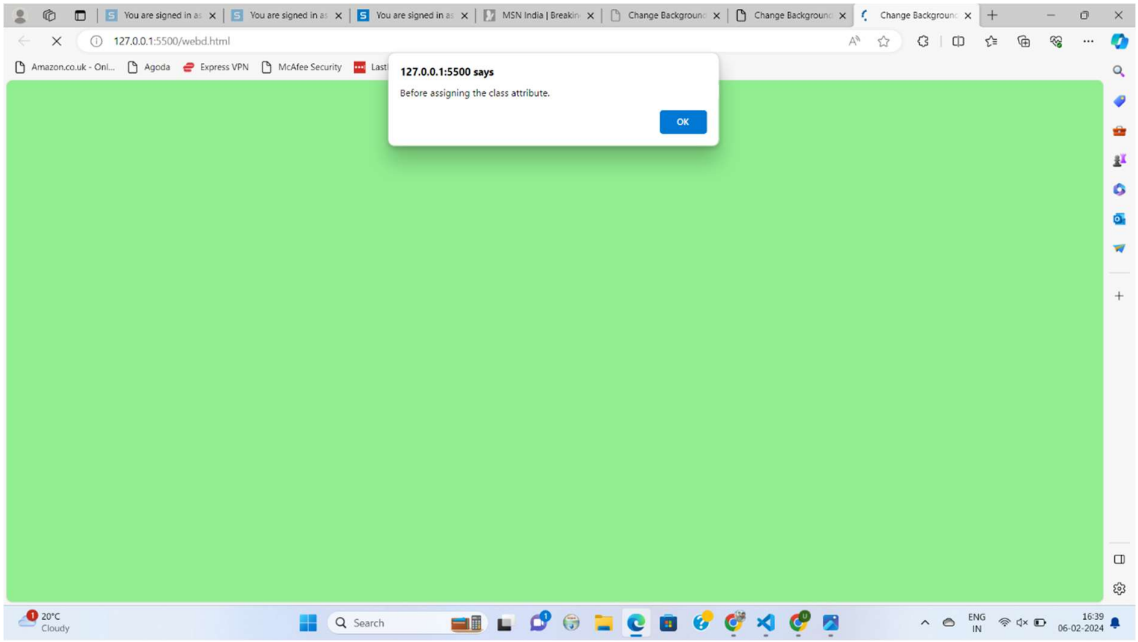
Task 3)

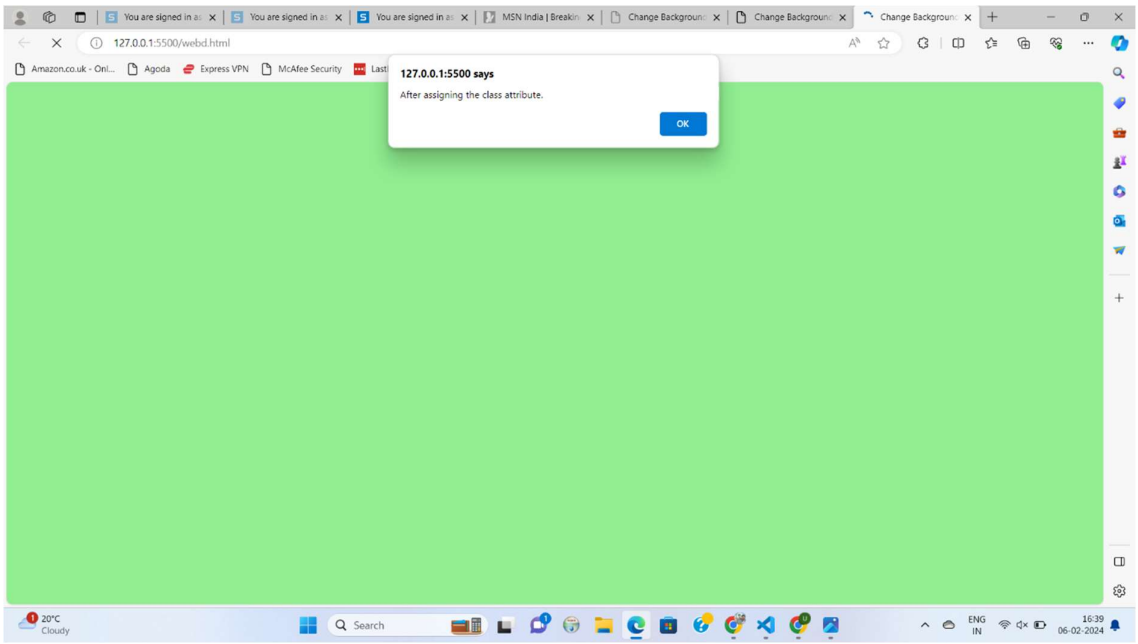


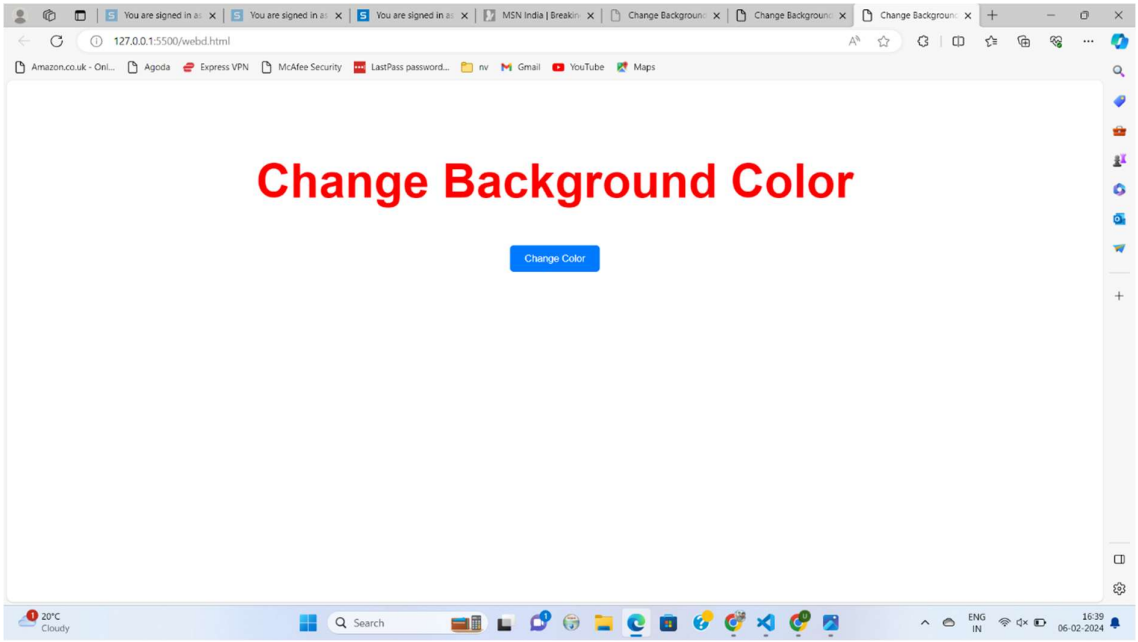
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Change Background Color</title>
<style>
    body {
        font-family: Arial, sans-serif;
        text-align: center;
        padding-top: 50px;
        color: red;
        font-size: 24pt;
    }
    .container {
        margin-top: 20px;
    }
    .btn {
        padding: 10px 20px;
        background-color: #007bff;
        color: #fff;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        transition: background-color 0.3s;
    }
    .btn:hover {
        background-color: #0056b3;
    }
    .light-green-bg {
        background-color: lightgreen;
    }
</style>
</head>
<body>
<h1 id="heading">Change Background Color</h1>
<button id="colorBtn" class="btn">Change Color</button>
```

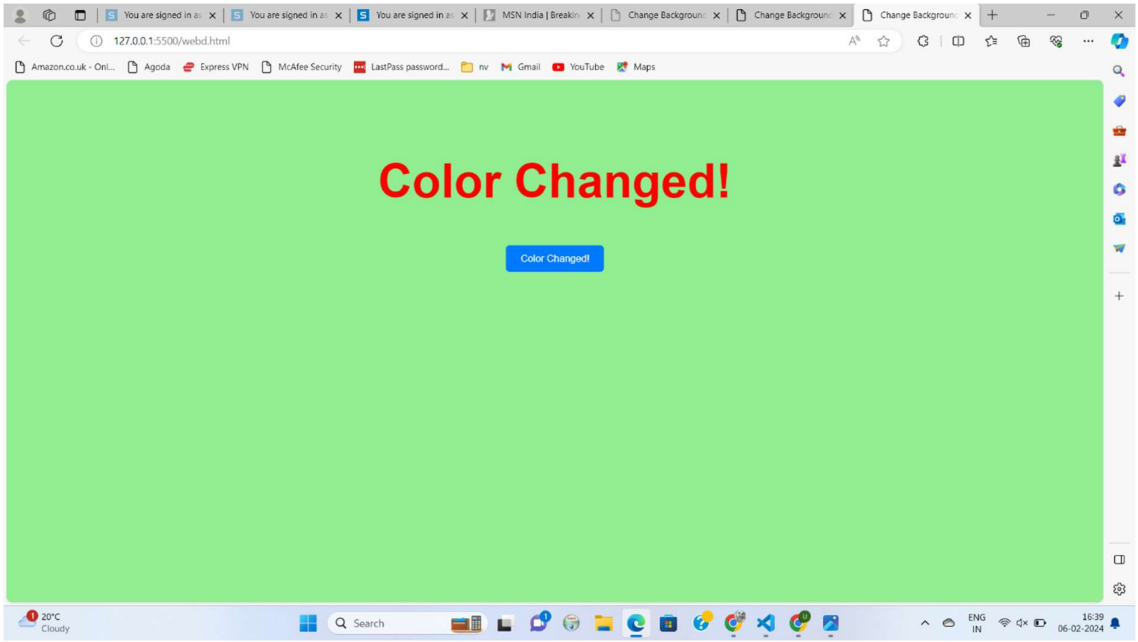


```
        border: none;
        border-radius: 5px;
        cursor: pointer;
        transition: background-color 0.3s;
    }
    .btn:hover {
        background-color: #0056b3;
    }
    .light-green-bg {
        background-color: lightgreen;
    }
</style>
</head>
<body>
<h1 id="heading">Change Background Color</h1>
<button id="colorBtn" class="btn">Change Color</button>
<script>
    alert("Before assigning the class attribute.");
    const colorBtn = document.getElementById('colorBtn');
    const body = document.body;
    const heading = document.getElementById('heading');
    colorBtn.addEventListener('click', function() {
        body.classList.add('light-green-bg');
        heading.textContent = 'Color Changed!';
        colorBtn.textContent = 'Color Changed!';
    });
    alert("After assigning the class attribute.");
</script>
</body>
</html>
```

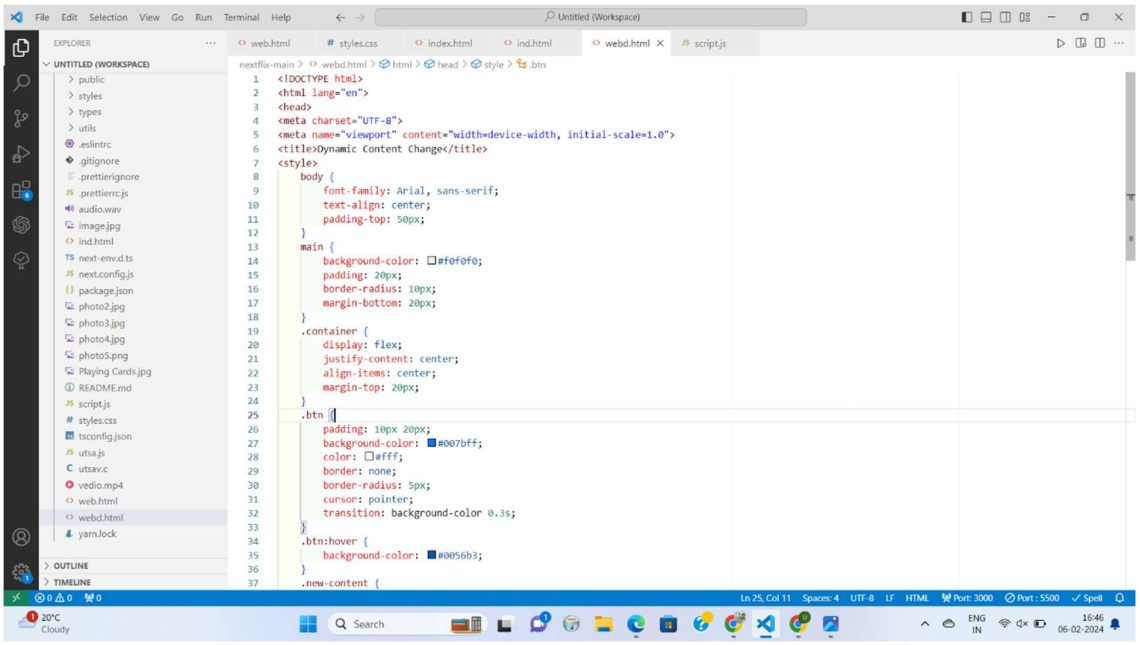

127.0.0.1:5500/webd.html
127.0.0.1:5500 says
Before assigning the class attribute.
OK


127.0.0.1:5500/webd.html
127.0.0.1:5500 says
After assigning the class attribute.
OK

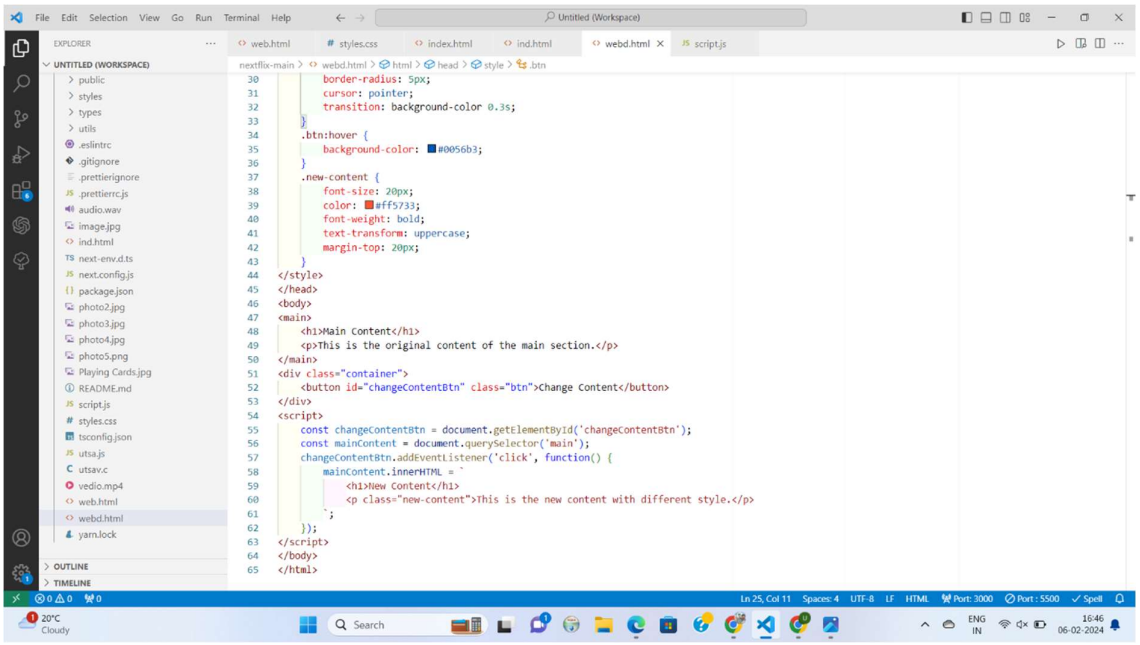

127.0.0.1:5500/webd.html
Change Background Color
Change Color
Search


127.0.0.1:5500/webd.html
Color Changed!
Color Changed!
Search

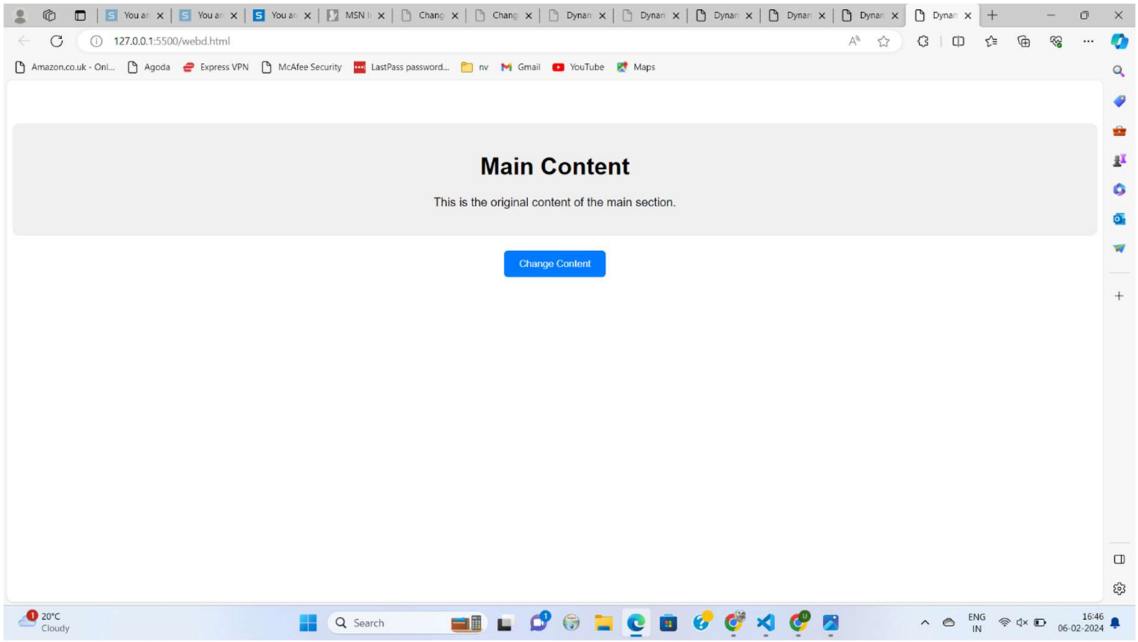
Task 4)

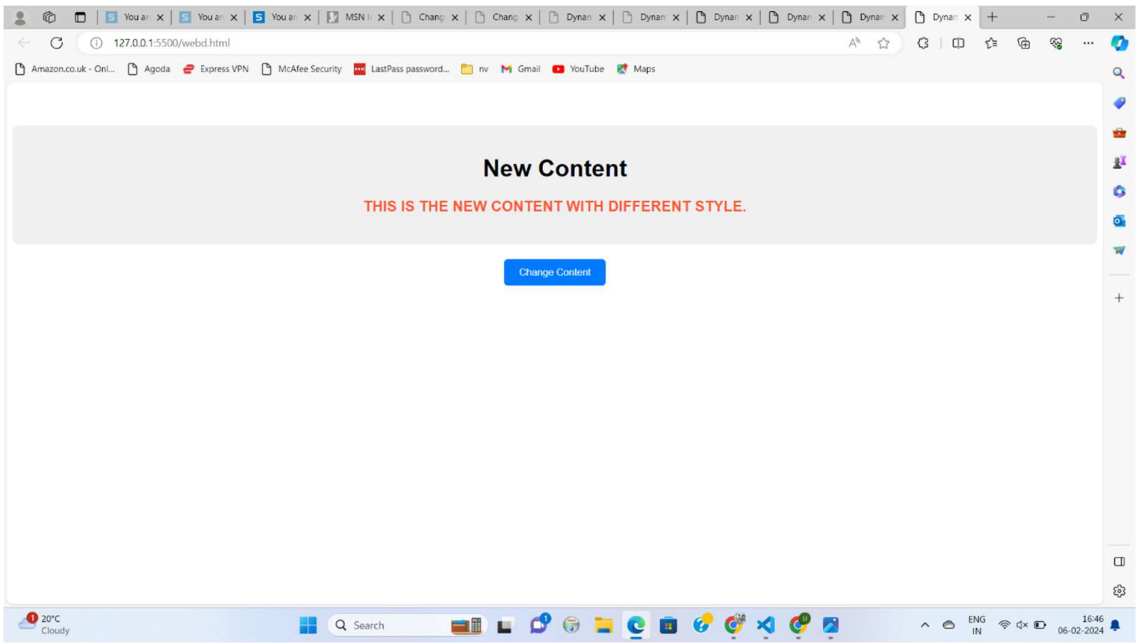


```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Dynamic Content Change</title>
<style>
    body {
        font-family: Arial, sans-serif;
        text-align: center;
        padding-top: 50px;
    }
    main {
        background-color: #f0f0f0;
        padding: 20px;
        border-radius: 10px;
        margin-bottom: 20px;
    }
    .container {
        display: flex;
        justify-content: center;
        align-items: center;
        margin-top: 20px;
    }
    .btn {
        padding: 10px 20px;
        background-color: #007bff;
        color: #fff;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        transition: background-color 0.3s;
    }
    .btn:hover {
        background-color: #0056b3;
    }
    .new-content {
```

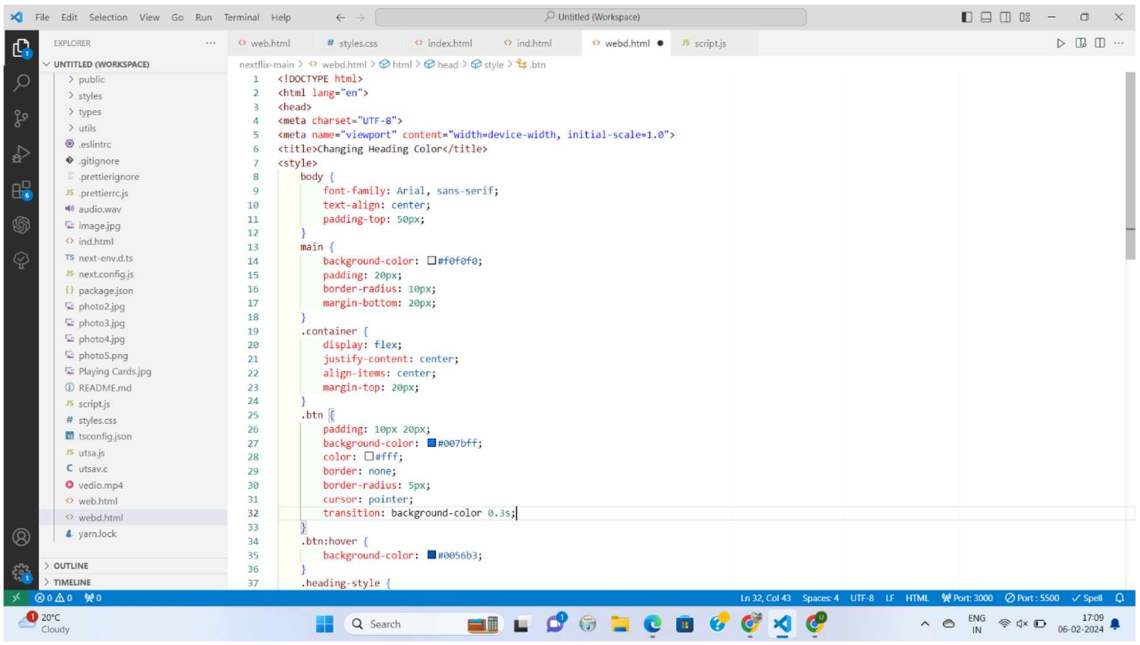


```
        border-radius: 5px;
        cursor: pointer;
        transition: background-color 0.3s;
    }
    .btn:hover {
        background-color: #0056b3;
    }
    .new-content {
        font-size: 20px;
        color: #ff5733;
        font-weight: bold;
        text-transform: uppercase;
        margin-top: 20px;
    }
</style>
</head>
<body>
<main>
    <h1>Main Content</h1>
    <p>This is the original content of the main section.</p>
</main>
<div class="container">
    <button id="changeContentBtn" class="btn">Change Content</button>
</div>
<script>
    const changeContentBtn = document.getElementById('changeContentBtn');
    const mainContent = document.querySelector('main');
    changeContentBtn.addEventListener('click', function() {
        mainContent.innerHTML = `
            <h1>New Content</h1>
            <p class="new-content">This is the new content with different style.</p>
        `;
    });
</script>
</body>
</html>
```

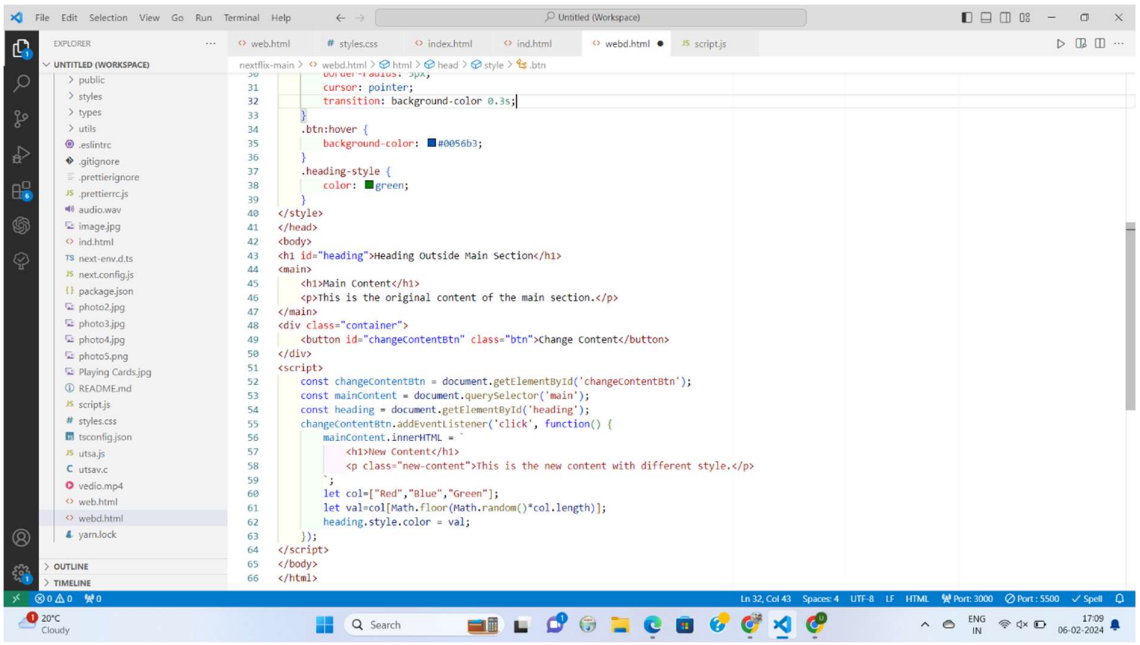

127.0.0.1:5500/webd.html
Main Content
This is the original content of the main section.
Change Content


127.0.0.1:5500/webd.html
New Content
THIS IS THE NEW CONTENT WITH DIFFERENT STYLE.
Change Content

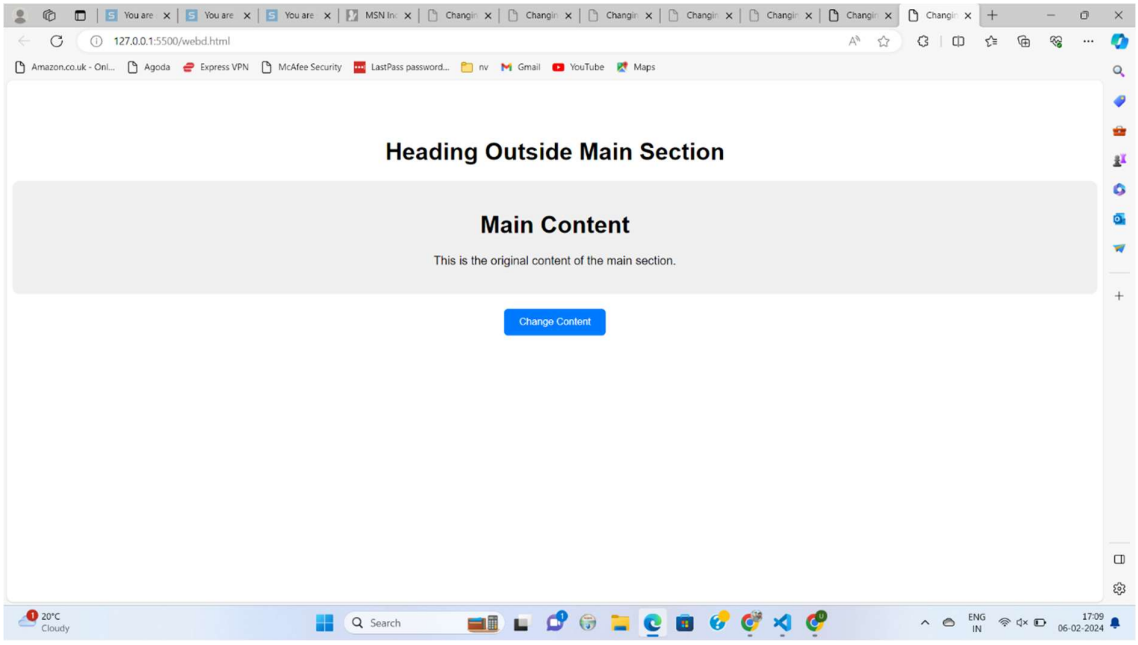
Task 5)

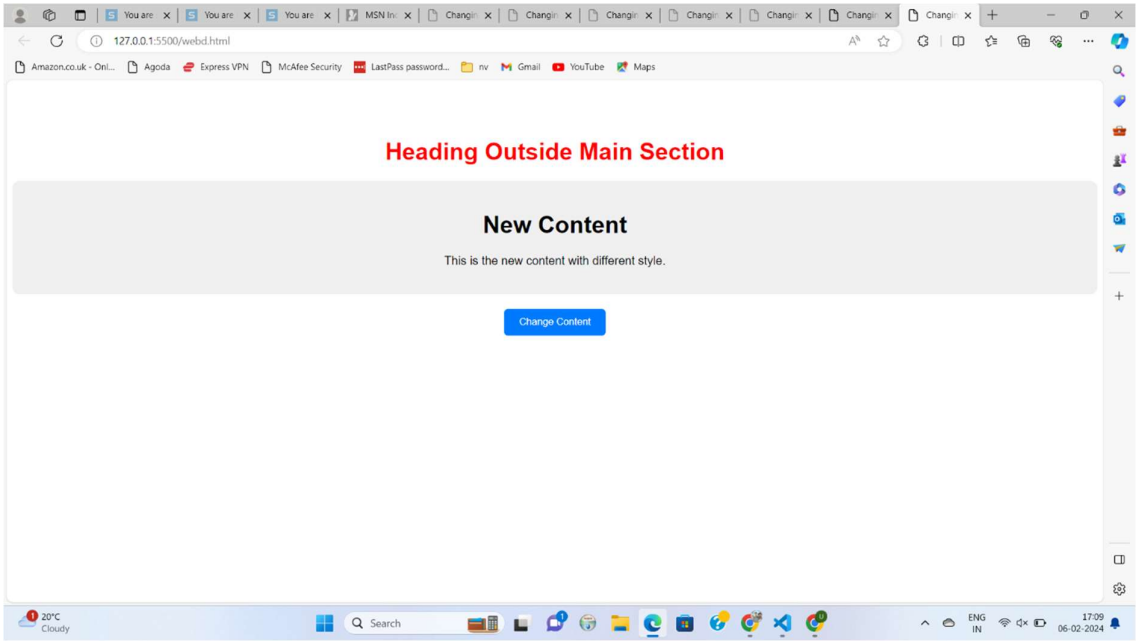


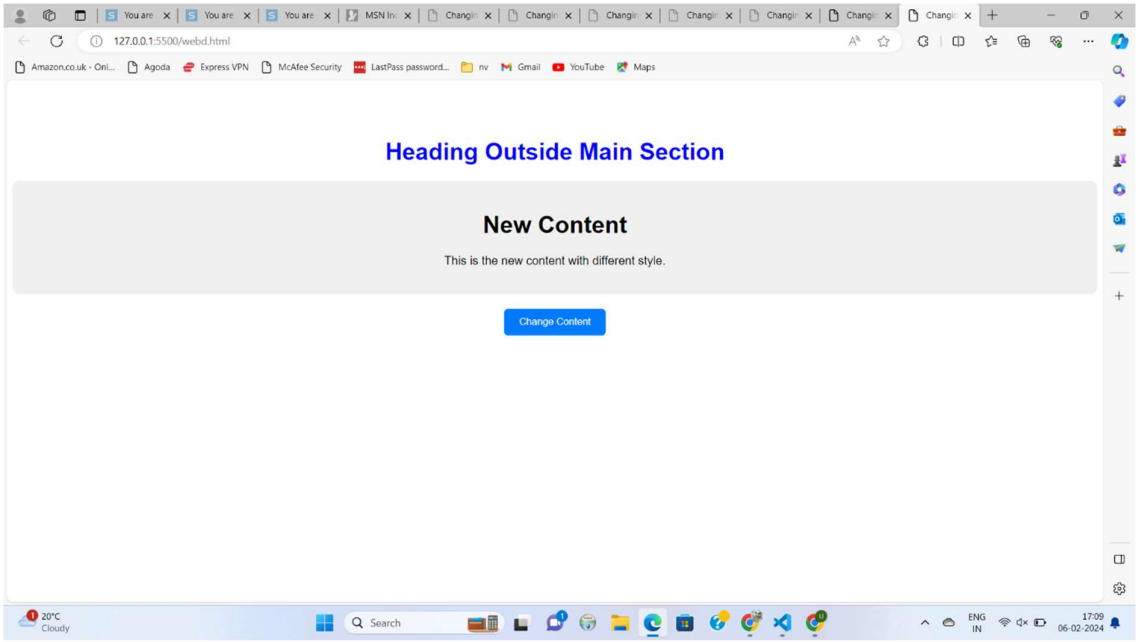
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Changing Heading Color</title>
<style>
    body {
        font-family: Arial, sans-serif;
        text-align: center;
        padding-top: 50px;
    }
    main {
        background-color: #f0f0f0;
        padding: 20px;
        border-radius: 10px;
        margin-bottom: 20px;
    }
    .container {
        display: flex;
        justify-content: center;
        align-items: center;
        margin-top: 20px;
    }
    .btn {
        padding: 10px 20px;
        background-color: #007bff;
        color: #fff;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        transition: background-color 0.3s;
    }
    .btn:hover {
        background-color: #0056b3;
    }
    .heading-style {
```



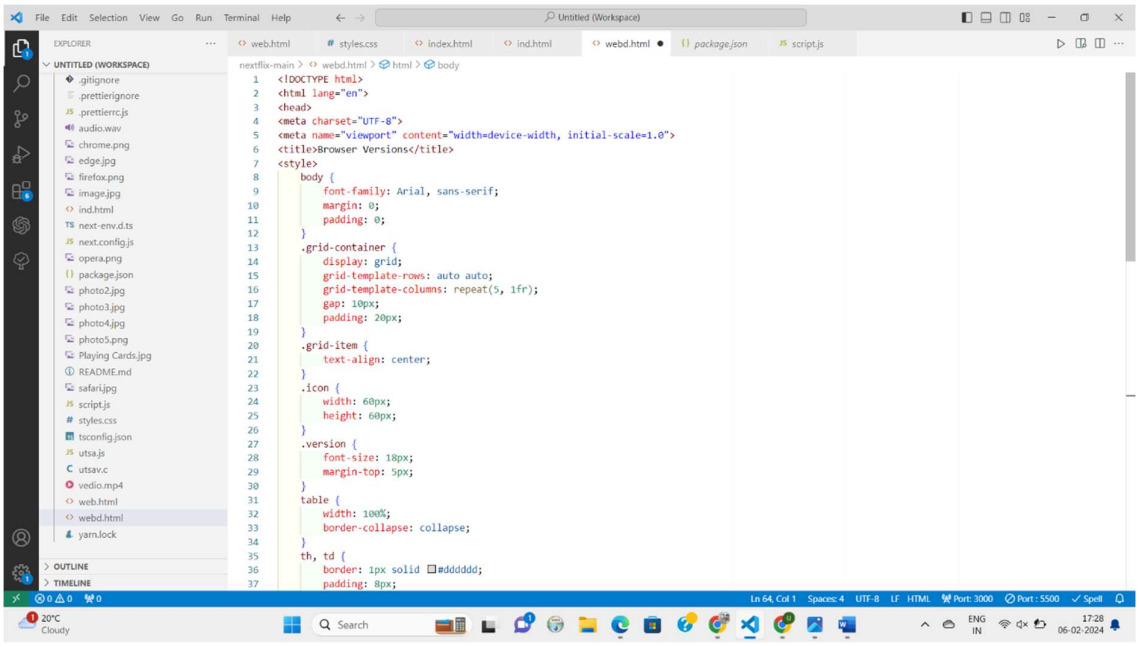
```
        cursor: pointer;
        transition: background-color 0.3s;
    }
    .btn:hover {
        background-color: #0056b3;
    }
    .heading-style {
        color: green;
    }
</style>
</head>
<body>
<h1 id="heading">Heading Outside Main Section</h1>
<main>
    <h1>Main Content</h1>
    <p>This is the original content of the main section.</p>
</main>
<div class="container">
    <button id="changeContentBtn" class="btn">Change Content</button>
</div>
<script>
    const changeContentBtn = document.getElementById('changeContentBtn');
    const mainContent = document.querySelector('main');
    const heading = document.getElementById('heading');
    changeContentBtn.addEventListener('click', function() {
        mainContent.innerHTML = `
            <h1>New Content</h1>
            <p class="new-content">This is the new content with different style.</p>
        `;
        let col=["Red","Blue","Green"];
        let val=col[Math.floor(Math.random()*col.length)];
        heading.style.color = val;
    });
</script>
</body>
</html>
```

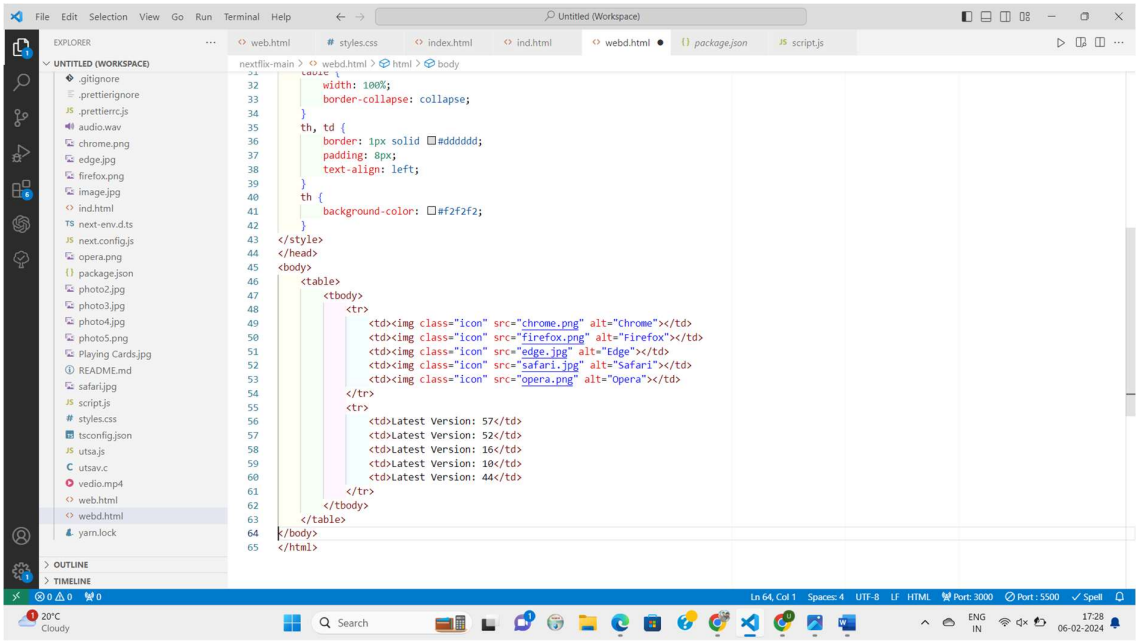
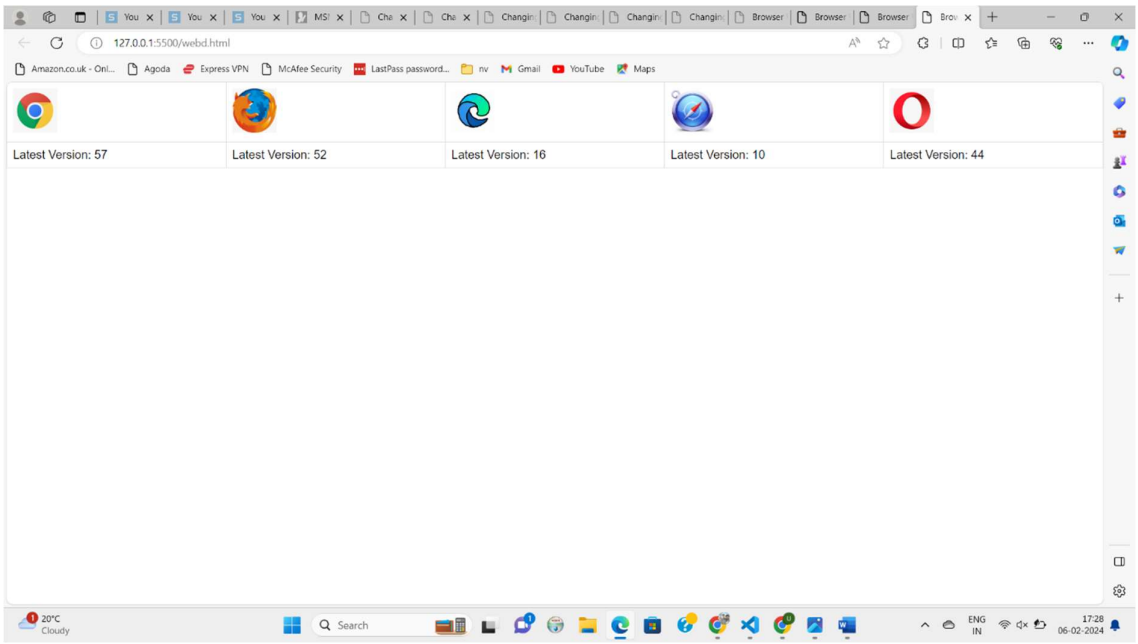

127.0.0.1:5500/webd.html
Heading Outside Main Section
Main Content
This is the original content of the main section.
Change Content


127.0.0.1:5500/webd.html
Heading Outside Main Section
New Content
This is the new content with different style.
Change Content


127.0.0.1:5500/webd.html
Heading Outside Main Section
New Content
This is the new content with different style.
Change Content

Task 6)


webd.html
<!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-rows: auto auto;
grid-template-columns: repeat(5, 1fr);
gap: 10px;
padding: 20px;
}
.grid-item {
text-align: center;
}
.icon {
width: 60px;
height: 60px;
}
.version {
font-size: 18px;
margin-top: 5px;
}
table {
width: 100%;
border-collapse: collapse;
}
th, td {
border: 1px solid #dddddd;
padding: 8px;



```
        width: 100%;
        border-collapse: collapse;
    }
    th, td {
        border: 1px solid #dddddd;
        padding: 8px;
        text-align: left;
    }
    th {
        background-color: #f2f2f2;
    }
</style>
</head>
<body>
    <table>
        <tbody>
            <tr>
                <td><img class="icon" src="chrome.png" alt="Chrome"></td>
                <td><img class="icon" src="firefox.png" alt="Firefox"></td>
                <td><img class="icon" src="edge.jpg" alt="Edge"></td>
                <td><img class="icon" src="safari.jpg" alt="Safari"></td>
                <td><img class="icon" src="opera.png" alt="Opera"></td>
            </tr>
            <tr>
                <td>Latest Version: 57</td>
                <td>Latest Version: 52</td>
                <td>Latest Version: 16</td>
                <td>Latest Version: 10</td>
                <td>Latest Version: 44</td>
            </tr>
        </tbody>
    </table>
</body>
</html>
```