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22CS2031

LAB 4

Q1.

```
index.html > html > body > h1
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>CSS Rule</title>
7      <style>
8          body {
9              background-color: brown;
10         }
11         h1 {
12             color: blue;
13             text-align: center;
14         }
15
16         button {
17             display: block;
18             margin: 0 auto;
19             padding: 10px 20px;
20             font-size: 20px;
21         }
22     </style>
23 </head>
24 <body>
25     <h1>Welcome to web page</h1>
26     <button onclick="changecolor()">click me</button>
27     <script>
28         function changecolor(){
29             document.body.style.backgroundColor='blue';
30         }
31     </script>
32 </body>
33 </html>
```

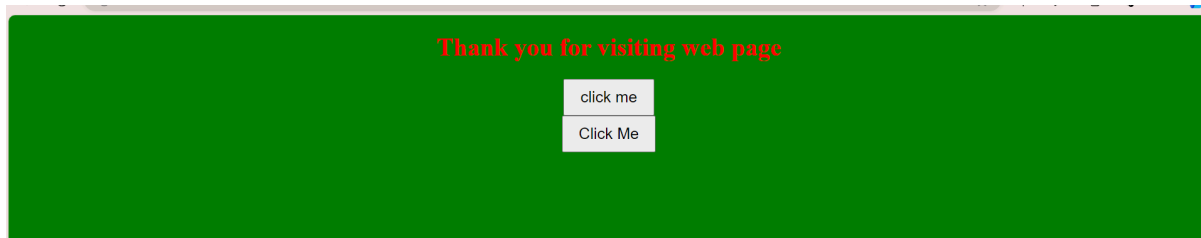
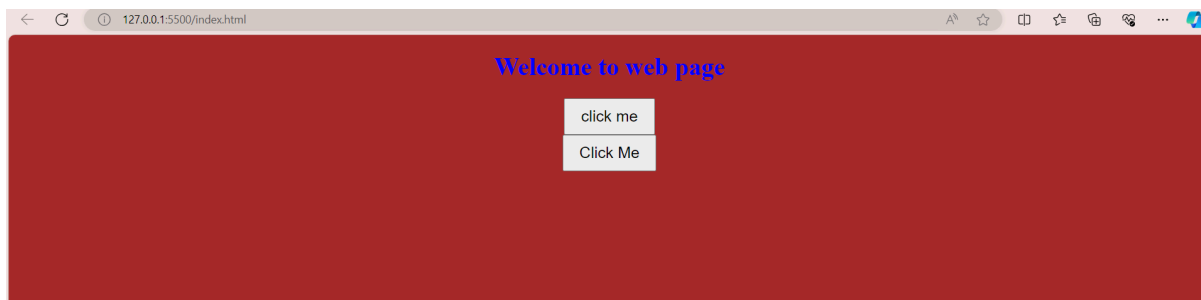
Welcome to web page

click me

click me

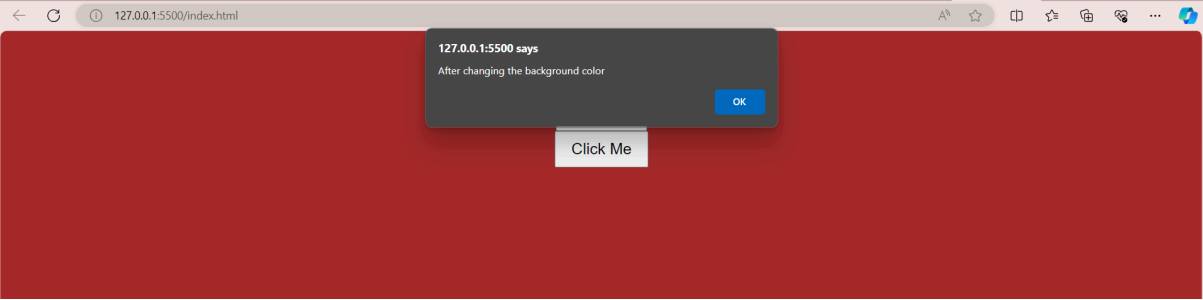
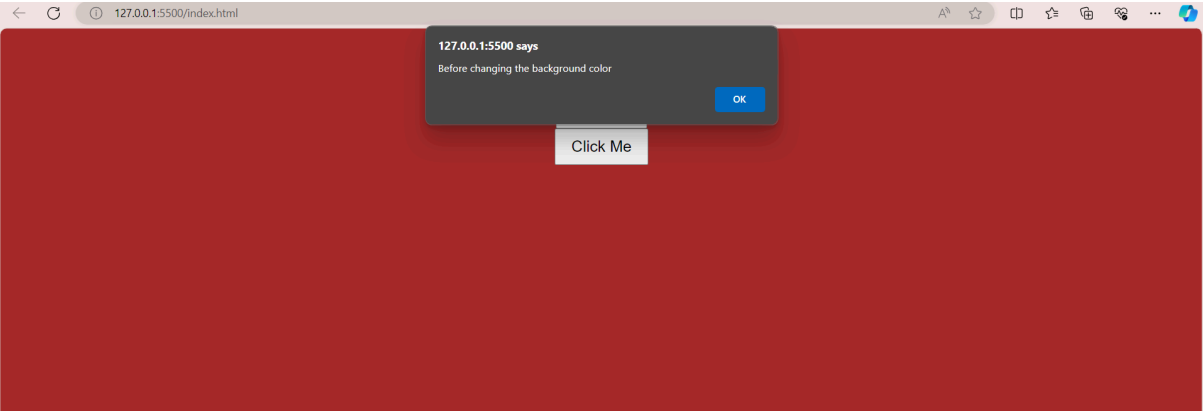
Q2.

```
<> index.html > html > head
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>CSS Rule</title>
7      <style>
8          body {
9              background-color: #brown;
10         }
11         h1 {
12             color: #blue;
13             text-align: center;
14         }
15     }
16     button {
17         display: block;
18         margin: 0 auto;
19         padding: 10px 20px;
20         font-size: 20px;
21     }
22 }
23 </style>
24 </head>
25 <body>
26     <h1>Welcome to web page</h1>
27     <button onclick="changecolor()">click me</button>
28     <button>Click Me</button>
29     <script>
30         function changecolor(){
31             document.body.style.backgroundColor='green';
32             document.querySelector("h1").style.color='red';
33             document.querySelector("h1").style.fontSize='48px';
34             document.querySelector("h1").innerHTML='Thank you for visiting web page';
35         }
36     </script>
37 </body>
</html>
```



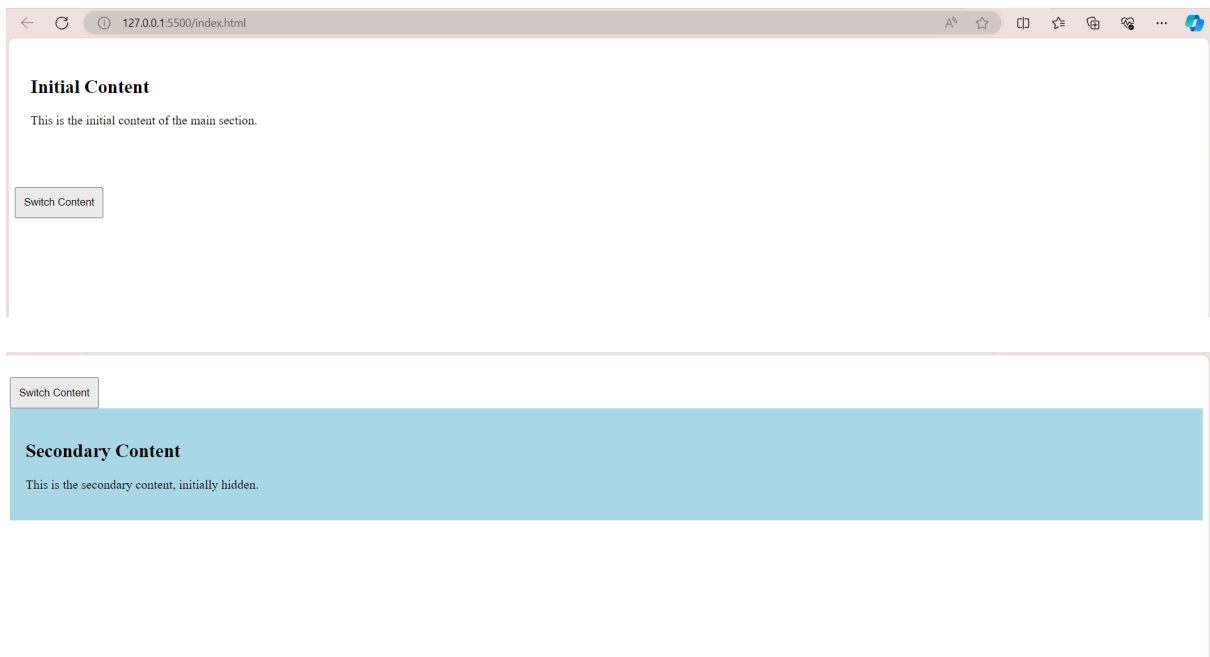
Q3.

```
index.html > html > body > script > changecolor
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>CSS Rule</title>
7      <style>
8          body {
9              background-color: brown;
10         }
11         h1 {
12             color: blue;
13             text-align: center;
14         }
15     }
16     button {
17         display: block;
18         margin: 0 auto;
19         padding: 10px 20px;
20         font-size: 20px;
21     }
22 </style>
23 </head>
24 <body>
25     <h1>Welcome to web page</h1>
26     <button onclick="changecolor()">click me</button>
27     <button>Click Me</button>
28     <script>
29         function changecolor(){
30             alert("Before changing the background color");
31             document.body.style.backgroundColor='green';
32             alert("After changing the background color");
33             document.querySelector("h1").style.color='red';
34             document.querySelector("h1").style.fontSize='48px';
35             document.querySelector("h1").innerHTML='Thank you for visiting web page';
36         }
37     </script>
38 </body>
39 </html>
```



Q4.

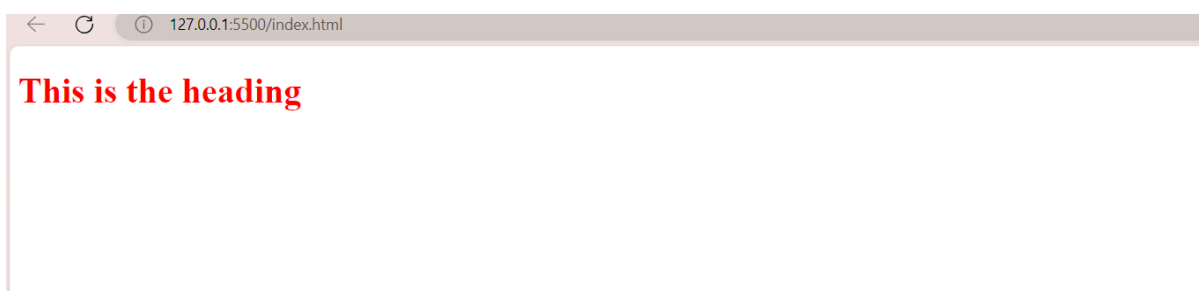
```
index.html > html > body
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>CSS Rule</title>
7    <style>
8
9  section {
10 | padding: 20px;
11 | margin-bottom: 20px;
12 | }
13
14 #secondary-section {
15 | background-color: lightblue;
16 | }
17
18 #switch-button {
19 | padding: 10px;
20 | margin-top: 20px;
21 | }
22 | </style>
23 </head>
24 <body>
25   <section id="main-section">
26     <h1>Initial Content</h1>
27     <p>This is the initial content of the main section.</p>
28   </section>
29
30   <button id="switch-button" onclick="swapContent()">Switch Content</button>
31
32   <section id="secondary-section" style="display: none;">
33     <h1>Secondary Content</h1>
34     <p>This is the secondary content, initially hidden.</p>
35   </section>
36
37   <script>
38     function swapContent() {
39       document.getElementById('main-section').style.display = "none";
40       document.getElementById('secondary-section').style.display = "block";
41     }
42   </script>
43
44 </body>
45 </html>
```



```
index.html > html > body > h1#myHeading
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Web Browser Versions</title>
7 </head>
8 <body>
9   <h1 id="myHeading" style="color: blue;">This is the heading</h1>
10 </body>
11 </html>
```



```
index.html > html > body > h1#myHeading.heading-color
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Web Browser Versions</title>
7   <style>
8     .heading-color {
9       color: red;
10    }
11  </style>
12 </head>
13 <body>
14   <h1 id="myHeading" class="heading-color">This is the heading</h1>
15 </body>
16 </html>
```



```
index.html > html > body > script
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <meta charset="UTF-8">
5  |   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6  |   <title>Web Browser Versions</title>
7  </head>
8  <body>
9  |   <script>
10 |       const heading = document.getElementById('myHeading');
11 |       heading.style.color = 'green';
12 |   </script>
13 </body>
14 </html>
```



Q6.

```
index.html > html > head > style > .grid-container
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |   <meta charset="UTF-8">
5  |   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6  |   <title>Web Browser Versions</title>
7  |   <style>
8  |       body {
9  |         font-family: Arial, sans-serif;
10 |         margin: 0;
11 |         padding: 0;
12 |         box-sizing: border-box;
13 |       }
14 |
15 |       .grid-container {
16 |         display: grid;
17 |         grid-template-rows: auto auto;
18 |         grid-template-columns: repeat(5, 1fr);
19 |         gap: 10px;
20 |         padding: 20px;
21 |       }
22 |
23 |       .browser-icon {
24 |         width: 100%;
25 |         height: auto;
26 |         text-align: center;
27 |       }
28 |
29 |       .browser-icon img {
30 |         width: 100px;
31 |       }
32 |
33 |
34 |       .version-number {
35 |         text-align: center;
36 |         background-color: #f2f2f2;
37 |         padding: 10px;
38 |       }
39 |   </style>
40 </head>
41 <body>
42 |
43 |   <div class="grid-container">
44 |     <div class="browser-icon"></div>
45 |     <div class="browser-icon"></div>
46 |     <div class="browser-icon"></div>
47 |     <div class="browser-icon"></div>
48 |     <div class="browser-icon"></div>
49 |     <div class="version-number">Chrome<br>Version 100.0</div>
50 |     <div class="version-number">Firefox<br>Version 99.0</div>
51 |     <div class="version-number">Edge<br>Version 20.0</div>
52 |     <div class="version-number">Safari<br>Version 15.0</div>
53 |     <div class="version-number">Opera<br>Version 75.0</div>
54 |   </div>
55 </body>
```



Chrome
Version 100.0



Firefox
Version 99.0



Edge
Version 20.0



Safari
Version 15.0



Opera
Version 75.0