

Name – AYUSH MITTAL

Roll No. – 22CS3020

Lab Assignment – III

WEB TECHNOLOGY

T1. Change of color with button.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Q1</title>
</head>
<body>

  <h1>I am AYUSH MITTAL</h1>
  <button>Click</button>
  <script>
    let b=document.querySelector("button");
    b.addEventListener("click",()=>{
    let h1=document.querySelector("h1");
    let randomColor=getRandom();
    h1.style.color=randomColor;

    body.style.backgroundColor=randomColor;
    });

function getRandom(){
  let red=Math.floor(Math.random()*255);
  let blue=Math.floor(Math.random()*255);
  let green=Math.floor(Math.random()*255);

  let color = `rgb(${red}, ${blue}, ${green})`;
  return color;
}
</script>

</body>
</html>
```

I am AYUSH MITTAL

Click

T2. Experimenting with JS code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Q2</title>
</head>
<body class="container">
  <h1>Hello everyone</h1>
  <button>Click Here</button>
  <script>
    let btn=document.querySelector("button");
    let bdy=document.querySelector(".container");
    bdy.style.backgroundColor=getRandom();

    btn.addEventListener("click",()=>{
      let h1=document.querySelector("h1");
      h1.style.fontSize="48px";
      let randomColor=getRandom();
      h1.style.color=randomColor;
      h1.innerText="Let's learn JavaScript";
    });
    function getRandom(){
      let red=Math.floor(Math.random()*255);
      let blue=Math.floor(Math.random()*255);
      let green=Math.floor(Math.random()*255);

      let color =`rgb(${red}, ${blue}, ${green})`;
      return color;
    }
  </script>
</body>
</html>
```

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

Hello everyone

Click Here

Let's learn JavaScript

Click Here

T3. Background color with class.

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
  <meta charset="UTF-8">  
  <meta name="viewport" content="width=device-width, initial-scale=1.0">  
  <title>Q3</title>  
</head>  
  
<body>  
  <h1>Click me see some alerts</h1>  
  <button id="changeButton">Click Me!</button>  
  <style>
```

```
.blue-bg {
  background-color: #00fbff;
}

.red-bg {
  background-color: #fee541;
}

body {
  font-family: sans-serif;
  text-align: center;
}

#changeButton {
  padding: 10px 20px;
  border: none;
  background-color: #ff3700;
  color: #fff;
  cursor: pointer;
}

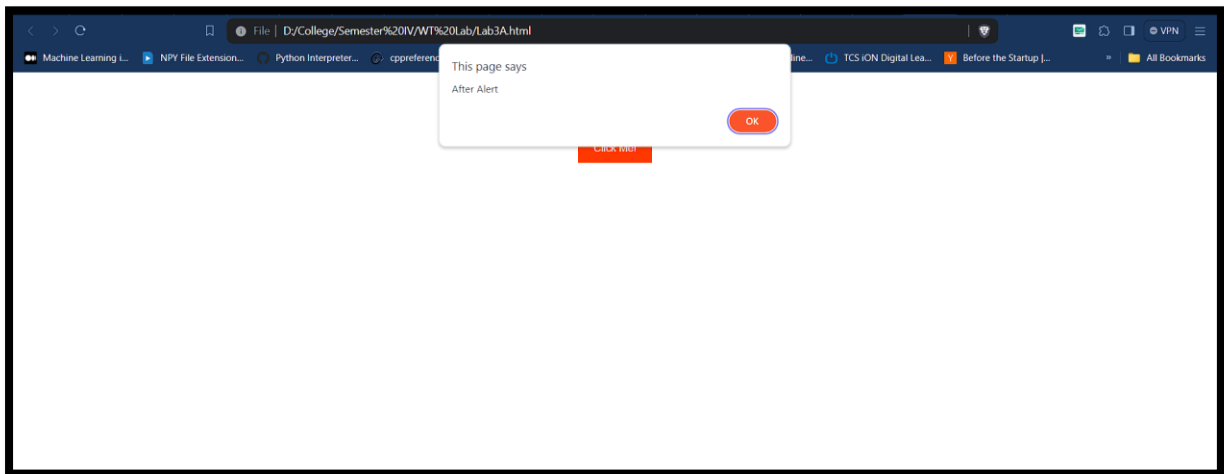
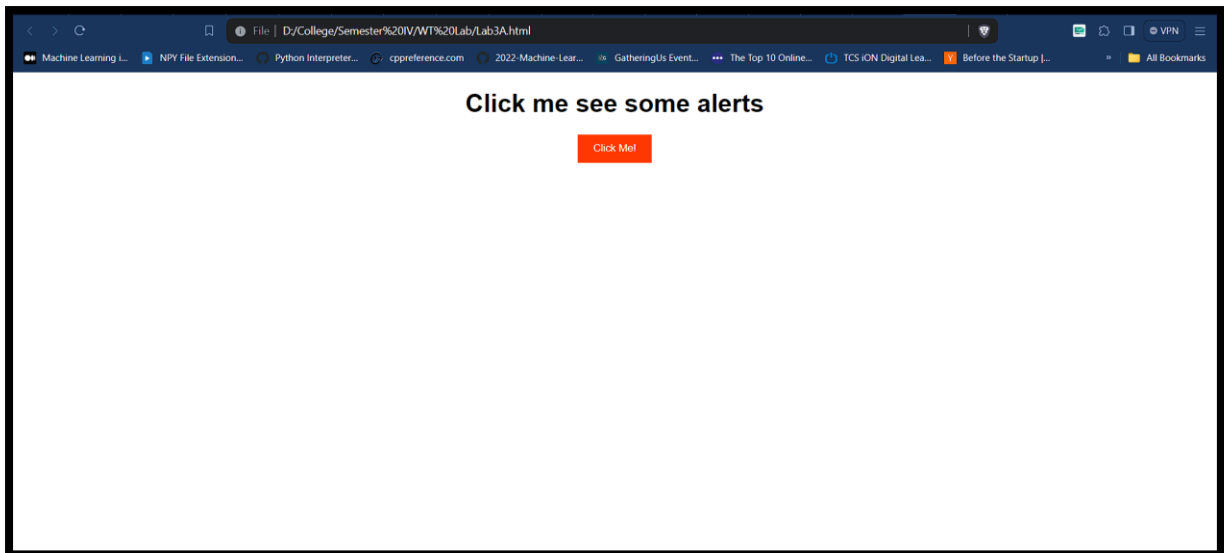
</style>
<script>
  const button = document.getElementById("changeButton");
const body = document.body;

button.addEventListener("click", () => {
  alert("Before Alert");

  if (body.classList.contains("blue-bg")) {
    body.classList.remove("blue-bg");
    body.classList.add("red-bg");
  } else {
    body.classList.remove("red-bg");
    body.classList.add("blue-bg");
  }

  alert("After Alert");
});

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



T4. Replacing of content.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Content Replacement</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 0;
      padding: 0;
    }
    header {
      background-color: #980000;
      color: #fff;
      padding: 10px;
      text-align: center;
    }
  </style>
</head>
<body>
  <div>
    <h1>Content Replacement</h1>
  </div>
</body>
</html>
```

```

    }
    main {
        padding: 20px;
    }
    #main-content1 {
        background-color: #67d3e8;
        padding: 20px;
    }
    #main-content2 {
        background-color: #ecde43;
        padding: 20px;
        display: none; /* Initially hidden */
    }
    button {
        padding: 10px 20px;
        background-color: #c2f7bb;
        color: #fff;

        cursor: pointer;
        margin: 0 auto;
    }
</style>
</head>
<body>
    <header>
        <h1>Main Header</h1>
    </header>

    <main>
        <section id="main-content1">
            <h2>Here we have our first section of content</h2>
            <p>Lorem ipsum dolor sit amet consectetur adipisicing elit.
Veritatis maiores, quae at corrupti ad repellat repudiandae cumque, fugiat
odit suscipit temporibus tempore aperiam. Deleniti iusto quaerat sunt
laboriosam optio est modi similique, cupiditate reprehenderit dolore neque
tempore dolorem vitae doloremque nobis id. Eum ab, quisquam saepe illo
molestiae veniam necessitatibus quos alias qui quaerat hic, aliquam quo quia
voluptates placeat. Quibusdam odit dolore nesciunt ipsum facilis dignissimos,
corporis eius temporibus sed deleniti esse assumenda non unde odio illo
dolores at accusamus iusto nulla laudantium reprehenderit magni! Iusto
reiciendis amet numquam quis voluptas ex quidem natus debitis ratione
repellendus! Deserunt, cupiditate!</p>
            </section>
            <section id="main-content2">
                <h2>Here we have our second section of content</h2>
                <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit.
Delectus atque sequi alias officiis, ut, repellendus repellat nesciunt,
cupiditate et exercitationem similique? Praesentium non laborum commodi

```

repellat a dolore adipisci repudiandae hic, possimus, maxime ratione quos debitis, quod deserunt rem delectus? Doloremque illum, incidunt deserunt blanditiis et maxime a illo soluta placeat possimus? Earum nobis rerum officiis obcaecati, voluptas voluptate rem aut officia possimus deleniti incidunt facere perferendis quasi voluptatum quod odio placeat dolorem amet quas libero? Expedita velit, ab architecto qui maiores nostrum saepe assumenda reiciendis dolorem neque distinctio cupiditate iure, labore impedit, corrupti numquam rem adipisci. Ipsam, accusantium saepe?

</section>

</main>

<center><button onclick="toggleContent()"> Replace
Content</button></center>

<script>

function toggleContent() {

var content1 = document.getElementById('main-content1');

var content2 = document.getElementById('main-content2');

if (content1.style.display === 'none') {

content1.style.display = 'block';

content2.style.display = 'none';

} else {

content1.style.display = 'none';

content2.style.display = 'block';

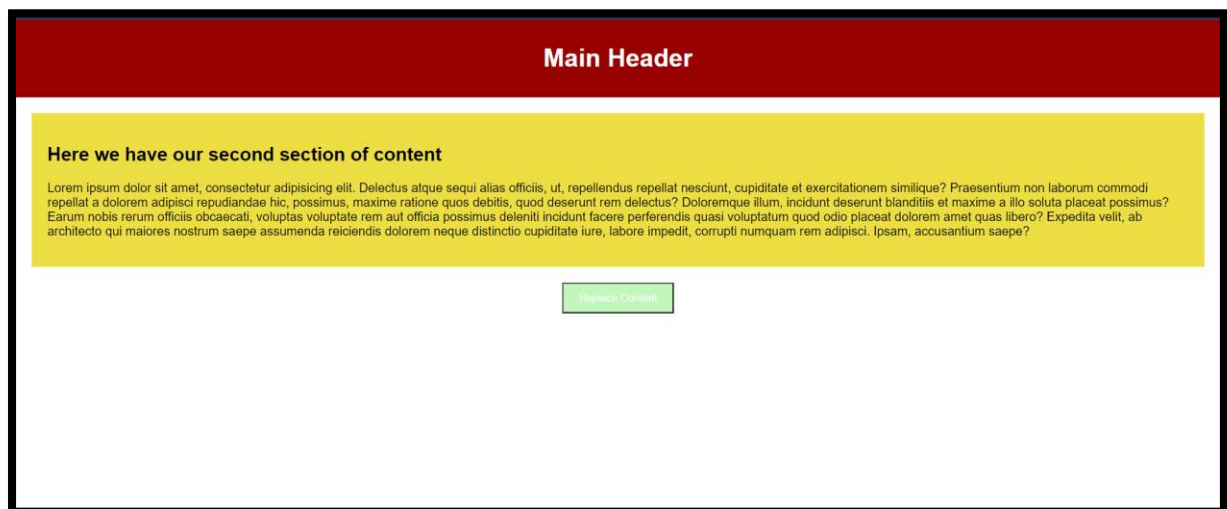
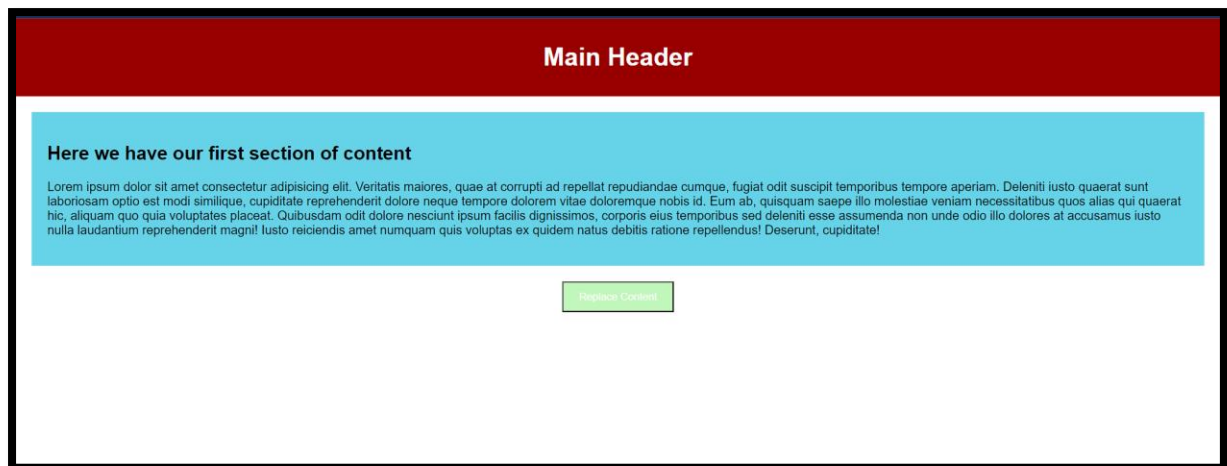
}

}

</script>

</body>

</html>



T5. Try ways of coloring

```
<!-- Task 5:
1.Inline: -->
<!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 Content Section</h2>
    <p>This is the content inside the main section.</p>
  </section>
</main>
```



```
</body>
</html>

<!-- 2.Internal -->
<!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: rgb(0, 38, 128);
  }
</style>
</head>
<body>

<h1>Heading with Internal CSS</h1>

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

</body>
</html>

<!-- 3.External -->
<!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" href="styles.css">
</head>
<body>

<h1 class="external-style">Heading with External CSS</h1>

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

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

```
.external-style {
  color: blue;
}
```

Task 5: 1.Inline:

Heading with Inline CSS

Main Content Section

This is the content inside the main section.

2.Internal

Heading with Internal CSS

Main Content Section

This is the content inside the main section.

3.External

Heading with External CSS

Main Content Section

This is the content inside the main section.

.external-style { color: blue; }

T6. Web browser icons.

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Q6</title>
<style>
  body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    text-align: center;
  }
  table {
    width: 100%;
    border-collapse: collapse;
  }
  th, td {
    padding: 10px;
    border: 1px solid #040101;
  }
</style>
```

```

}
.browser img {
  width: 40px;
  height: 40px;
  display: block;
  margin: 0 auto;
}
</style>
</head>
<body>

<table>
  <tr>
    <td>
      <div class="browser">
        

        </div>
      </td>
      <td>
        <div class="browser">
          

          </div>
        </td>
        <td>
          <div class="browser">
            

            </div>
          </td>
          <td>
            <div class="browser">
              

              </div>
            </td>
          </tr>
        </table>

```






```

</td>
<td>
  <div class="browser">
    

    </div>
  </td>
</tr>
<tr style="background-color: lightgray;">
  <td><div class="browser" >
    <span>57.0</span>
  </div></td>
  <td><div class="browser">
    <span>16.0</span>
  </div></td>
  <td><div class="browser">
    <span>52.0</span>
  </div></td>
  <td><div class="browser">
    <span>10</span>
  </div></td>
  <td><div class="browser">
    <span>44</span>
  </div></td>
</tr>
</table>

</body>
</html>

```

				
57.0	16.0	52.0	10	44