

Assignment 5a

Roll No: 71 Batch T14

Aim: Write a JavaScript Program to study arrow functions, DOM Manipulation and CSS Manipulations.

Code:

1. script.js

```
document.getElementById("b1").addEventListener("click",()=>{
    document.getElementsByClassName("title")[0].style.color = "white";
})

document.getElementById("b1").addEventListener("mouseover",()=>{
    for(let i = 0 ; i<document.getElementsByClassName("title").length ; i++){
        document.getElementsByClassName("title")[i].style.color = "#33FF57";
    }
})

document.addEventListener("keydown",(ee)=>{
    document.querySelector(".typer .text").innerHTML = "You just entered : "+
    ee.key;
})

document.querySelector("#colorch").addEventListener("click",()=>{
    var colors = ["#FF5733", "#33FF57", "#5733FF", "#FF3357", "#33FFFF",
    "#FFFF33"];

    function changeBackgroundColor() {
        var nn = Math.floor(Math.random() * colors.length);
        var colored = colors[nn];
        document.body.style.backgroundColor = colored;
    }
    changeBackgroundColor();
    setInterval(changeBackgroundColor, 500);
});

document.getElementById("elementAdd").addEventListener("click",()=>{
    para = document.createElement("h1");
    const node = document.createTextNode("Holla new element");
    para.appendChild(node);
    console.log(para);
    document.getElementById("first").appendChild(para);
});
```

```

document.getElementById("deleteAdd").addEventListener("click",()=>{
    const noder =document.querySelector(".butn");
    document.getElementsByClassName("buttonss")[0].removeChild(noder);
});

document.getElementById("replaceAdd").addEventListener("click",()=>{
    var t2 = document.querySelectorAll(".title")[1].innerHTML;
    document.querySelectorAll(".title")[1].innerHTML
= document.querySelectorAll(".title")[0].innerHTML;
    document.querySelectorAll(".title")[0].innerHTML =t2;
});

```

2. index.html

```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>
    <style>
      .wrappall {
        margin: auto;
        width: 60%;
        border: 3px solid #73ad21;
        padding: 10px;
        background-color: rgba(0, 0, 0, 0.541);
      }
    </style>
  </head>
  <body>
    <div class="wrappall">
      <div id="first">
        <h1 class="title">T14 Assignment</h1>
        <h1 class="title">Holla</h1>
      </div>

      <div class="buttonss">
        <button class="butn" id="b1">Title</button>
        <button class="butn" id="colorch">Color Changer</button>
        <button class="butn" id="elementAdd">Add element</button>
        <button class="butn" id="replaceAdd">Replace element</button>
        <button class="butn" id="deleteAdd">delete element</button>
      </div>
    </div>
  </body>
</html>

```

```
<br />
<div class="typer">
  <h1 class="text">You just entered:</h1>
</div>
</div>
<script src="script.js"></script>
</body>
</html>
```

Output:



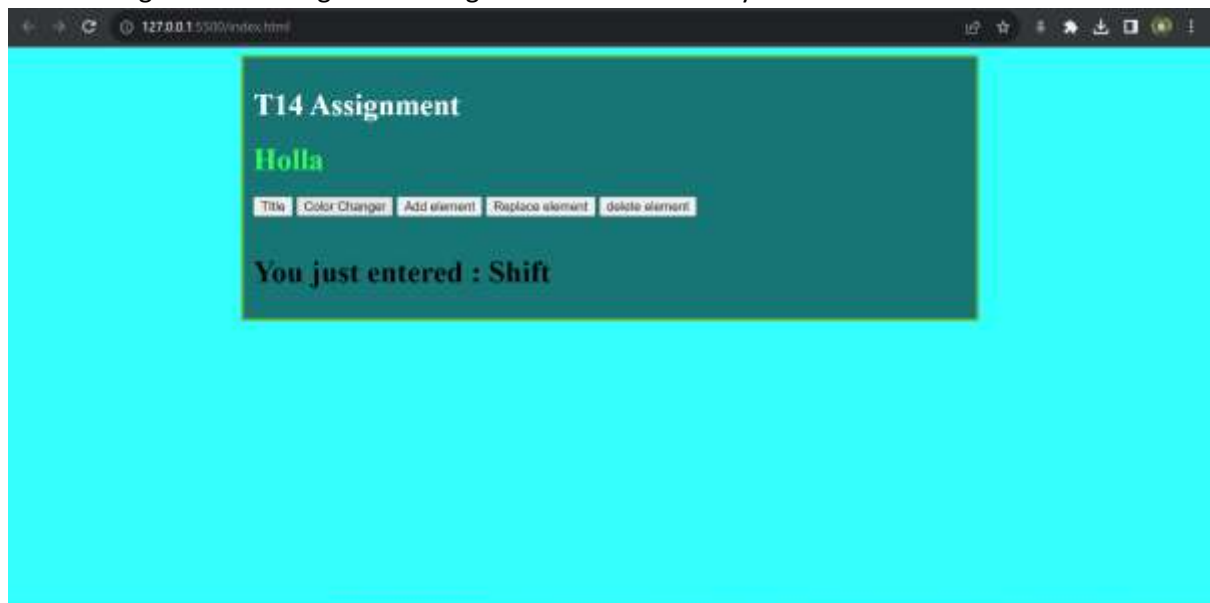
On hovering over Title button

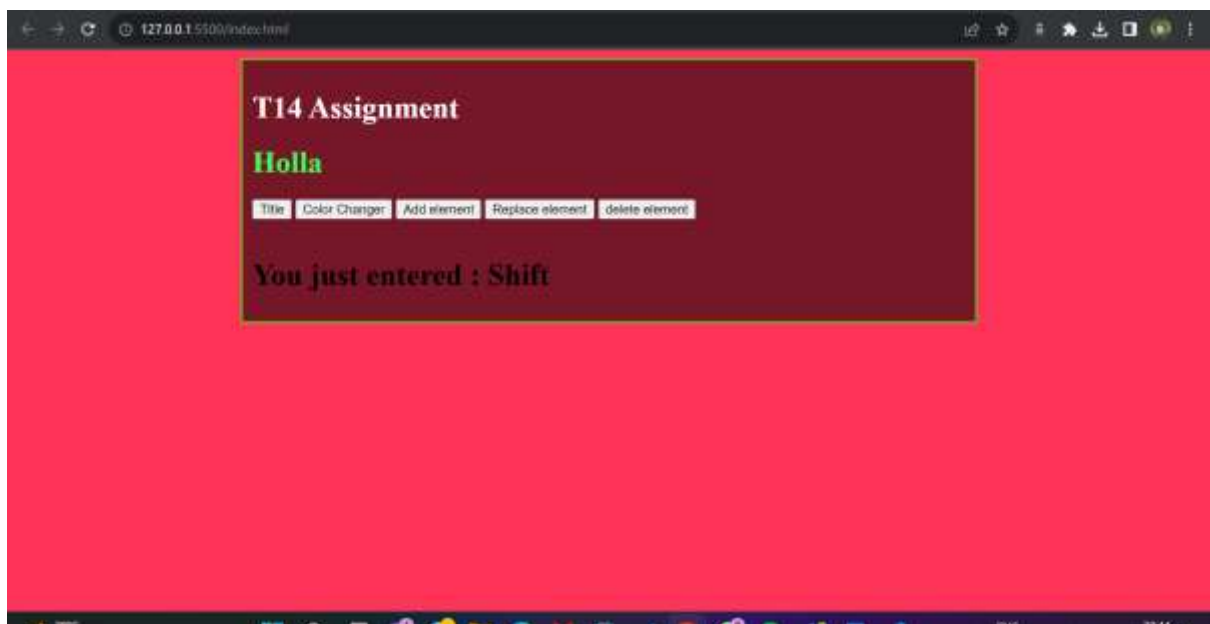
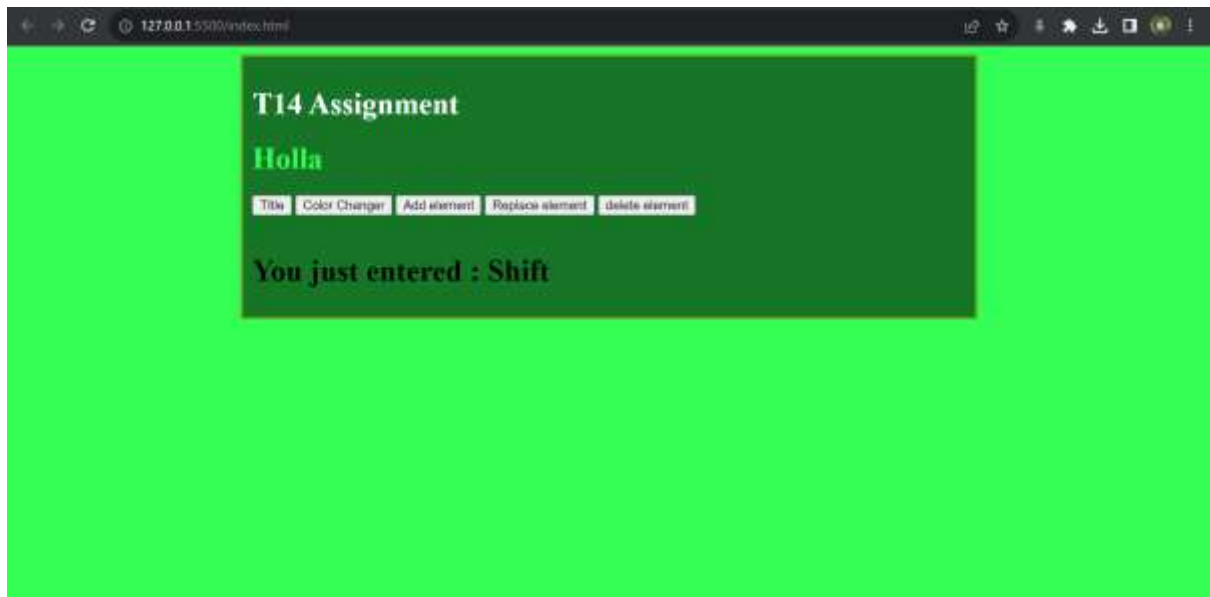


On clicking the title button



Color Change button changes the background color after every 5 seconds





Adding new element



Replace element button - > toggles the content in first two h1 tags



Delete element button -> deletes the buttons

T14 Assignment

Holla

Holla new element

Holla new element

Color Changer **Add element** **Replace element** **Delete element**

You just entered : Shift

T14 Assignment

Holla

Holla new element

Holla new element

Add element **Replace element** **Delete element**

You just entered : Shift