

ASSIGNMENT – 5

AIM:- DOM Manipulation and CSS Manipulation

Code :-

Index.html file

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="style.css">
  <title>DOM TUTORIAL</title>
</head>
<body>
  <div id="bulb"></div>
  <button class="onb">ON</button>
  <p>Bulb</p>
  <p>DOM</p>
</body>
<script src="dom1.js"></script>
</html>
```

style.css file

```
*{
  padding: 0;
  margin: 0;
  border-spacing: border-box;
}

html,body {
  height: 100%;
  width: 100%;
}

h1{
  font-size: 80px;
  color: red;
}
```

```

#bulb{
    height: 300px;
    width: 300px;
    border-radius: 50%;
    border: 4px solid black;
    background-color: white;
}

body{
    background-color: black;
}

button{
    padding: 10px 30px;
    font-size: 40px;
    margin-left: 50px;
    margin-top: 20px;
}

p{
    color: white;
}

```

dom1.js file

```

// selecting bulb element for changing its color on doing ON/OFF
var a = document.getElementById("bulb");

// selecting button for changing the text content on or off
var b = document.getElementsByClassName("onb");

// select body to show brightness or darkness on whole page
var c = document.querySelector("body");

var d = document.querySelectorAll("p");

var flag = 1; // flag = 1 means bulb means we have to ONN the bulb
b[0].addEventListener("click",function(){
    if(flag==0){
        a.style.backgroundColor = "white";
        b[0].textContent = "ON";
        c.style.backgroundColor = "black";
        d[0].style.color = "white";
        d[1].style.color = "white";
    }
});

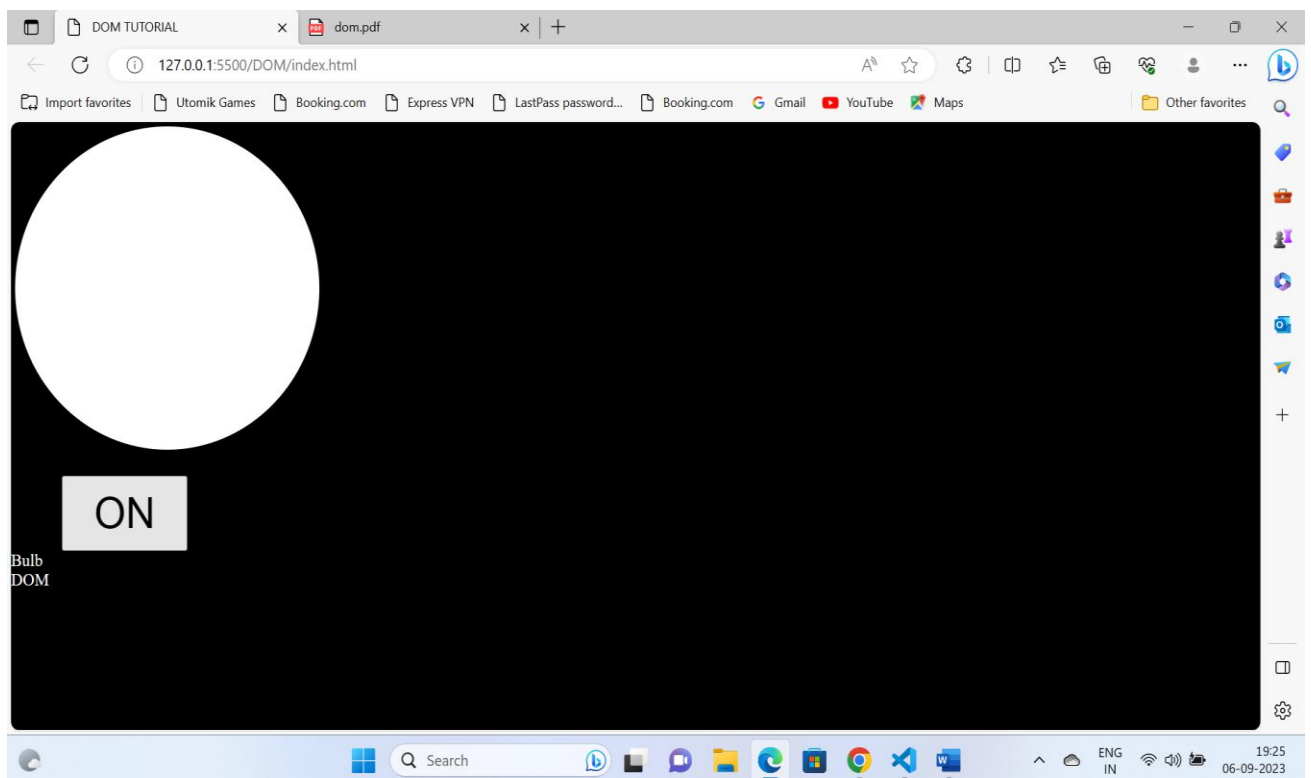
```

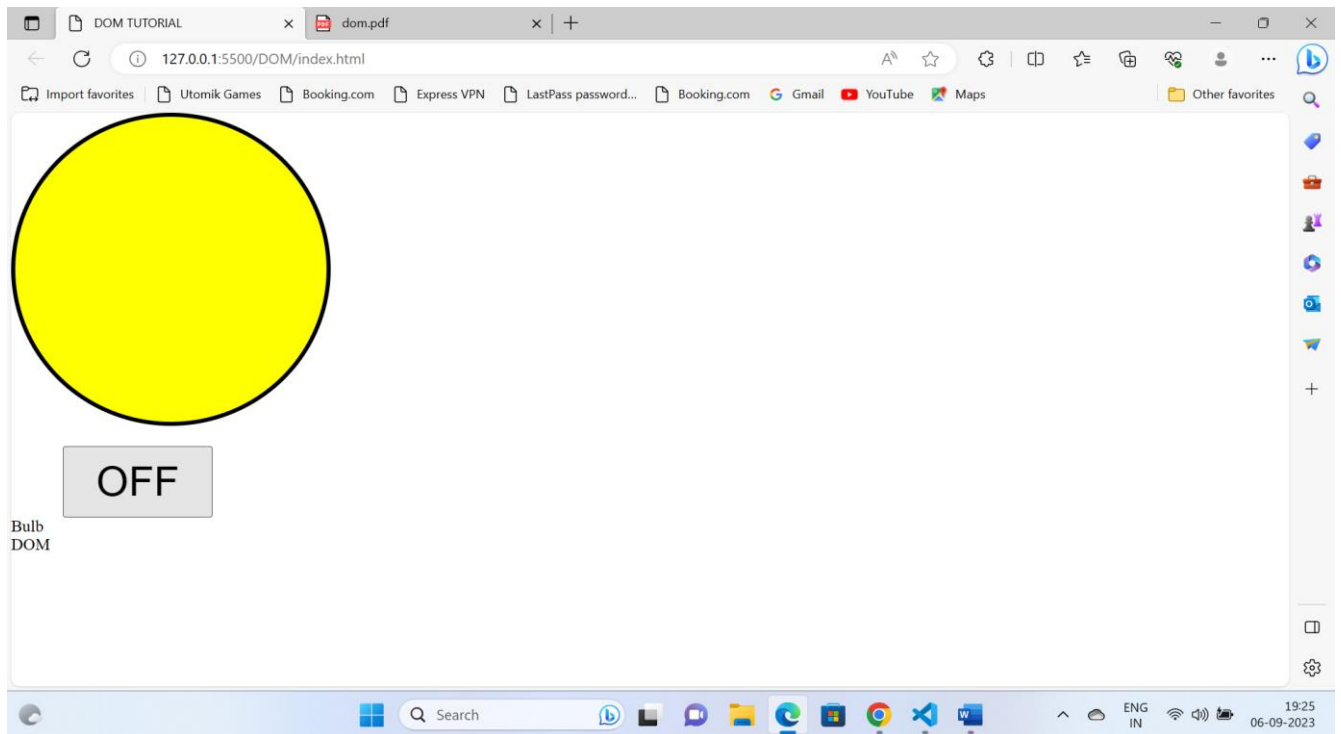
```

        flag =1;
    }else{
        a.style.backgroundColor = "yellow";
        b[0].textContent = "OFF";
        c.style.backgroundColor = "white";
        d[0].style.color = "black";
        d[1].style.color = "black";
        flag = 0;
    }
})

```

ScreenShots :-





Conclusion :-

We have successfully learnt and implemented **DOM Manipulation** using javascript. Here we have used **querySelector**, **querySelectorAll**, **getElementsByClassName**, **getElementById** for selecting the elements from html page and then we have applied CSS styling on the page in JavaScript itself and also we have designed certain events to take place on the page with the help of **EventListeners**.