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T11 03

**ASSIGNMENT 6**

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

**Code:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>JavaScript Study: Arrow Functions, DOM and CSS Manipulation</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 50px;

}

.box {

width: 100px;

height: 100px;

background-color: lightblue;

margin: 20px;

text-align: center;

line-height: 100px;

border-radius: 10px;

}

.hidden {

display: none;

}

.highlight {

background-color: yellow;

border: 2px solid red;

}

</style>

</head>

<body>

<h1>Arrow Functions, DOM Manipulation & CSS Manipulation</h1>

<button id="changeTextBtn">Change Text</button>

<button id="toggleBoxBtn">Toggle Box Visibility</button>

<button id="highlightBtn">Highlight Box</button>

<div id="box" class="box">Box</div>

<script>

// Arrow Functions, DOM Manipulation, and CSS Manipulation

// 1. Arrow function to change text content of an element

const changeText = () => {

const box = document.getElementById('box');

box.textContent = 'Text Changed!';

};

// 2. Arrow function to toggle visibility of an element

const toggleBoxVisibility = () => {

const box = document.getElementById('box');

if (box.classList.contains('hidden')) {

box.classList.remove('hidden');

} else {

box.classList.add('hidden');

}

};

// 3. Arrow function to apply CSS manipulation

const highlightBox = () => {

const box = document.getElementById('box');

box.classList.toggle('highlight');

};

// 4. DOM manipulation: Add event listeners to buttons

document.getElementById('changeTextBtn').addEventListener('click', changeText);

document.getElementById('toggleBoxBtn').addEventListener('click', toggleBoxVisibility);

document.getElementById('highlightBtn').addEventListener('click', highlightBox);

</script>

</body>

</html>

**Output:**

