

Alphonz George

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:

