### **EXPERIMENT 6**

**AIM:** Create dynamic content on a web page using HTML DOM – adding, deleting elements, moving elements, changing colors, fonts.

#### **OBJECTIVE:**

- To provide knowledge on developing web pages design and development.
- To understand how the HTML, CSS and JavaScript components of Bootstrap work.

### **OUTCOME:**

Develop static web pages using HTML, CSS and Bootstrap.

Develop interactive web pages using JS.

Use React JS framework in web pages effectively.

#### **PROGRAM CODE:**

#### index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Dynamic DOM Manipulation</title>
    <script src="https://cdn.tailwindcss.com"></script>
</head>
<body class="p-6">
    <div id="content" class="space-y-4">
        <button id="addElement" class="px-4 py-2 bg-blue-500 text-white</pre>
rounded">Add Element</button>
        <button id="removeElement" class="px-4 py-2 bg-red-500 text-white</pre>
rounded">Remove Element</button>
        <button id="moveElement" class="px-4 py-2 bg-green-500 text-white</pre>
rounded">Move Element</button>
        <button id="changeStyle" class="px-4 py-2 bg-purple-500 text-white</pre>
rounded">Change Style</button>
```

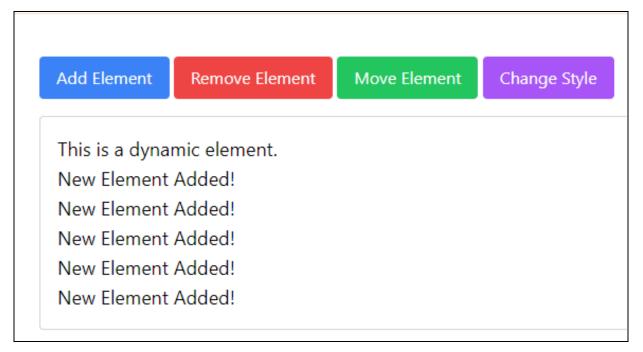
## index.js

```
document.getElementById('addElement').addEventListener('click', function
() {
    const newElement = document.createElement('p');
    newElement.textContent = 'New Element Added!';
    newElement.className = 'text-lg';
    document.getElementById('container').appendChild(newElement);
});
document.getElementById('removeElement').addEventListener('click',
function () {
    const container = document.getElementById('container');
    if (container.lastChild) {
        container.removeChild(container.lastChild);
});
document.getElementById('moveElement').addEventListener('click', function
() {
   const container = document.getElementById('container');
    if (container.firstChild) {
        container.appendChild(container.firstChild);
    }
});
document.getElementById('changeStyle').addEventListener('click', function
() {
    const element = document.getElementById('element1');
```

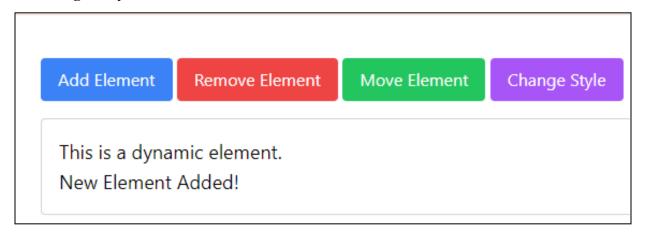
```
element.style.color = element.style.color === 'red' ? 'black' : 'red';
element.style.fontFamily = element.style.fontFamily === 'Arial' ?
'Times New Roman' : 'Arial';
});
```

### **OUTPUT:**

# Adding an element



# Removing newly added elements



# Moving an element



# Changing style of an element

