Name: Vinayak Kumar Singh Subject: Full Stack Lab

Register No: 23MCA1030 **Date**:05-09-2023

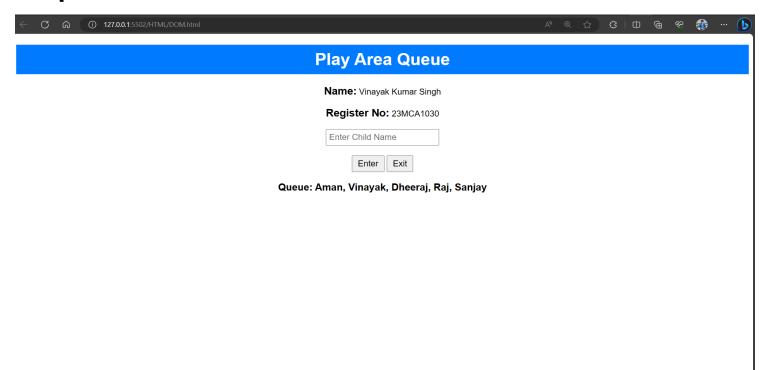
Exercise 6: DOM

Design a queue system for a play area in a mall. The webpage of the play area must have a textbox to enter the name of the child entering the play area. On clicking the button enter the name must be displayed in webpage in a <h3> tag. Add some names. Then create another button "exit" that deletes the top most name. Perform the above using DOM.

```
<!DOCTYPE html>
<html>
    <title>Play Area Queue</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            text-align: center;
        h1 {
            background-color: #007bff;
            color: white;
            padding: 10px;
        b {
            font-size: 20px;
        input[type="text"] {
            padding: 5px;
            width: 200px;
            font-size: 16px;
        button {
            padding: 5px 10px;
            font-size: 16px;
        #queue_display {
            margin-top: 20px;
            font-size: 20px;
    </style>
</head>
<body>
    <h1>Play Area Queue</h1>
   <br/>
<b>Name:</b> Vinayak Kumar Singh
```

```
<br/>
<br/>
<br/>
d>Register No:</b> 23MCA1030
    <input type="text" id="childName" placeholder="Enter Child Name">
    <br><br><br>
    <button onclick="addToQueue()">Enter</button>
    <button onclick="exitQueue()">Exit</button>
    <h3 id="queueDisplay"></h3>
    <script>
        let queue = [];
        function addToQueue() {
            const childNameInput = document.getElementById("childName");
            const name = childNameInput.value.trim();
            if (name !== "") {
                queue.push(name);
                updateQueueDisplay();
                childNameInput.value = "";
        function exitQueue() {
            if (queue.length > 0) {
                queue.shift();
                updateQueueDisplay();
        function updateQueueDisplay() {
            const queueDisplay = document.getElementById("queueDisplay");
            queueDisplay.textContent = "Queue: " + queue.join(", ");
   </script>
</body>
</html>
```

Output:



After 2 Child Exit Play Area Queue:

