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| Division: 5 | Batch: P5 |

Practical No: 7 Append an object to an array and will check if an object is an array.

Code:

**Index.html**

<!DOCTYPE html>

<html>

<head>

    <title>Array Element Checker</title>

    <script>

        function addElement() {

            var userInput = document.getElementById("elementInput").value;

            var arrayContainer = document.getElementById("arrayContainer");

            var listItem = document.createElement("li");

            listItem.appendChild(document.createTextNode(userInput));

            arrayContainer.appendChild(listItem);

        }

        function checkElement() {

            var index = document.getElementById("indexInput").value;

            var arrayItems = document.getElementsByTagName("li");

            var verdictContainer = document.getElementById("verdictContainer");

            if (index < arrayItems.length && index >= 0) {

                var item = arrayItems[index].textContent;

                if (item.includes(",")) {

                    verdictContainer.innerHTML = "The element is an array.";

                } else {

                    verdictContainer.innerHTML = "The element is a single element.";

                }

            } else {

                verdictContainer.innerHTML = "Invalid index.";

            }

        }

    </script>

</head>

<body>

    <h1>Array Element Checker</h1>

    <label for="elementInput">Enter element:</label>

    <input type="text" id="elementInput">

    <button onclick="addElement()">Add Element</button>

    <ul id="arrayContainer"></ul>

    <label for="indexInput">Enter index:</label>

    <input type="number" id="indexInput">

    <button onclick="checkElement()">Check Element</button>

    <div id="verdictContainer"></div>

</body>

</html>

Output:

