// 1. Create an array styles with items “Jazz” and “Blues”.

let styles = ["Jazz", "Blues"];

// 2. Append “Rock-n-Roll” to the end.

styles.push("Rock-n-Roll");

// 3. Replace the value in the middle with “Classics”.

let middleIndex = Math.floor(styles.length / 2);

styles[middleIndex] = "Classics";

// 4. Strip off the first value of the array and show it.

let firstValue = styles.shift();

console.log("Removed first value:", firstValue);

// 5. Prepend Rap and Reggae to the array.

styles.unshift("Rap", "Reggae");

console.log("Updated styles array:", styles);

// 6. Create a new array with numbers from 1 to 10. Use splice to remove the numbers at positions 4 to 6 and replace them with "a", "b", "c". Display the modified array.

let numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];

numbers.splice(4, 3, "a", "b", "c");

console.log("Modified numbers array:", numbers);

// 7. Combine the original array with another array ["m", "n", "o"] using concat and display the result.

let combinedArray = numbers.concat(["m", "n", "o"]);

console.log("Combined array:", combinedArray);

function getUserInputArray(promptMessage)

{

    let input = prompt(promptMessage);

    return input.split(',').map(item => item.trim());

}

function getUserInputNumber(promptMessage)

{

    let input = prompt(promptMessage);

    return Number(input);

}

let styles = getUserInputArray("Enter initial styles separated by commas (e.g., Jazz, Blues):");

let newStyle = prompt("Enter a new style to append to the array:");

styles.push(newStyle);

let middleIndex = Math.floor(styles.length / 2);

let newMiddleValue = prompt(`Enter a new style to replace the middle value (${styles[middleIndex]}):`);

styles[middleIndex] = newMiddleValue;

let firstValue = styles.shift();

console.log("Removed first value:", firstValue);

let prependStyles = getUserInputArray("Enter styles to prepend to the array separated by commas (e.g., Rap, Reggae):");

styles.unshift(...prependStyles);

console.log("Updated styles array:", styles);

let numbers = Array.from({ length: 10 }, (\_, i) => i + 1);

let replacements = getUserInputArray("Enter three values to replace positions 4 to 6 in the array separated by commas (e.g., a, b, c):");

numbers.splice(4, 3, ...replacements);

console.log("Modified numbers array:", numbers);

let additionalArray = getUserInputArray("Enter additional values to combine with the numbers array separated by commas (e.g., m, n, o):");

let combinedArray = numbers.concat(additionalArray);

console.log("Combined array:", combinedArray);