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// 1. W.A.P with using array methods like push(), pop(), unshift(), shift(), toString(),

// join(), concat(), at(), length, indexOf().

// (Inputs=>const city=['pune’,’delhi’,’mumbai’,’bengaluru’,’mysuru’])

//ANS:------

// const cities = ['pune', 'delhi', 'mumbai', 'bengaluru', 'mysuru'];

// // push()

// cities.push('chennai');

// console.log(cities);

// // pop()

// const poppedCity = cities.pop();

// console.log(poppedCity);

// // unshift()

// cities.unshift('kolkata');

// console.log(cities);

// // shift()

// const shiftedCity = cities.shift();

// console.log(shiftedCity);

// // toString()

// const citiesString = cities.toString();

// console.log(citiesString);

// // join()

// const joinedCities = cities.join(' | ');

// console.log(joinedCities);

// // concat()

// const moreCities = ['hyderabad', 'ahmedabad'];

// const combinedCities = cities.concat(moreCities);

// console.log(combinedCities);

// // at() - using bracket notation

// const cityAtIndex2 = cities[2];

// console.log(cityAtIndex2);

// // length

// const numberOfCities = cities.length;

// console.log(numberOfCities);

// // indexOf()

// const indexMumbai = cities.indexOf('mumbai');

// console.log(indexMumbai);

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// 2. W.A.P with using splice() in array (cond: remove the first three elements and

// replace with new three new elements )

// (Inputs=>const city=['pune’,’delhi’,’mumbai’,’bengaluru’,’mysuru’])

//ANS:-----

// const cities = ['pune', 'delhi', 'mumbai', 'bengaluru', 'mysuru'];

// // Using splice() to remove the first three elements and replace them

// cities.splice(0, 3, 'Indore', 'Ujjain', 'Barwani');

// // Display the modified array

// console.log(cities);

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// 3. W.A.P with using slice() in array (cond: only display the “delhi” ,”mumbai”)

// (Inputs=>const city=['pune’,’delhi’,’mumbai’,’bengaluru’,’mysuru’])

//ANS:-----------------------------

// const cities = ['pune', 'delhi', 'mumbai', 'bengaluru', 'mysuru'];

// // Using slice() to extract "delhi" and "mumbai"

// const selectedCities = cities.slice(1, 3);

// // Display the selected cities

// console.log(selectedCities);

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// 4. W.A.P with using strings methods like includes(), charAt(), concat(),

// toUpperCase, toLowercase.

//  (Inputs=>const flowers=”Sunflower, mariegold, rose, Lotus”)

//ANS:----

// const flowers = "Sunflower, marigold, rose, Lotus";

// // Using includes() to check if a string contains another string

// const includesRose = flowers.includes("rose");

// console.log("Includes 'rose':", includesRose);

// // Using charAt() to get the character at a specific position

// const charAtPosition5 = flowers.charAt(5);

// console.log("Character at position 5:", charAtPosition5);

// // Using concat() to concatenate two strings

// const moreFlowers = ", daisy, tulip";

// const combinedFlowers = flowers.concat(moreFlowers);

// console.log("Combined flowers:", combinedFlowers);

// // Using toUpperCase() to convert the string to uppercase

// const uppercasedFlowers = flowers.toUpperCase();

// console.log("Uppercased flowers:", uppercasedFlowers);

// // Using toLowerCase() to convert the string to lowercase

// const lowercasedFlowers = flowers.toLowerCase();

// console.log("Lowercased flowers:", lowercasedFlowers);

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// 5. W.A.P with using slice() in strings (cond: take the parameters like

// 1.(5,13), 2.(6), 3. (-9), 4.(-7,-4) )

//  (Inputs=>const flowers=”Sunflower, mariegold, rose, Lotus”)

//ANS:------------------

// const flowers = "Sunflower, marigold, rose, Lotus";

// // Using slice(5, 13) to extract a substring from index 5 to index 12 (13-1)

// const substring1 = flowers.slice(5, 13);

// console.log("Substring 1:", substring1);

// // Using slice(6) to extract a substring starting from index 6 to the end

// const substring2 = flowers.slice(6);

// console.log("Substring 2:", substring2);

// // Using slice(-9) to extract the last 9 characters from the string

// const substring3 = flowers.slice(-9);

// console.log("Substring 3:", substring3);

// // Using slice(-7, -4) to extract a substring from the 7th character from the end to the 4th character from the end

// const substring4 = flowers.slice(-7, -4);

// console.log("Substring 4:", substring4);

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// 6. W.A.P with using substring() and substr() in strings

//  (Inputs=>const flowers=”Sunflower, mariegold, rose, Lotus”)

//ANS: --------------

// const flowers = "Sunflower, marigold, rose, Lotus";

// // Using substring(5, 13) to extract a substring from index 5 to index 12 (13-1)

// const substring1 = flowers.substring(5, 13);

// console.log("Substring 1:", substring1);

// // Using substring(6) to extract a substring starting from index 6 to the end

// const substring2 = flowers.substring(6);

// console.log("Substring 2:", substring2);

// // Using substr(9) to extract a substring starting from index 9 to the end

// const substring3 = flowers.substr(9);

// console.log("Substring 3:", substring3);

// // Using substr(-5) to extract the last 5 characters from the string

// const substring4 = flowers.substr(-5);

// console.log("Substring 4:", substring4);

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// 7. W.A.P with using replace() and replaceAll() in strings

//  (inputs=>const text=”I love fruits. fruits are very tasty. fruits are very healthy”)

//ANS:------------------------

// const text = "I love fruits. fruits are very tasty. fruits are very healthy";

// // Using replace() to replace the first occurrence of "fruits" with "apples"

// const replacedText = text.replace("fruits", "apples");

// console.log("Replaced Text (replace()):", replacedText);

// // Using replaceAll() to replace all occurrences of "fruits" with "apples"

// const replacedAllText = text.replaceAll("fruits", "apples");

// console.log("Replaced Text (replaceAll()):", replacedAllText);

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// 8. W.A.P with using indexOf() and lastIndexOf() in strings

//  (inputs=> const text=”javascript is super, javascript is awesome”)

//ANS:-------------------

// const text = "javascript is super, javascript is awesome";

// // Using indexOf() to find the first occurrence of "javascript"

// const indexOfJavascript = text.indexOf("super");

// console.log("Index of 'javascript' (indexOf()):", indexOfJavascript);

// // Using lastIndexOf() to find the last occurrence of "javascript"

// const lastIndexOfJavascript = text.lastIndexOf("is");

// console.log("Last Index of 'javascript' (lastIndexOf()):", lastIndexOfJavascript);

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// 9. W.A.P to print multiline statements using template literals.

//ANS:-----------------

// Multiline statement using template literals

// const multilineStatement = `

//   This is a multiline statement using template literals.

//   It allows you to easily create strings that span multiple lines.

//   Template literals use backticks (\`) instead of single or double quotes.

//   You can also include expressions like ${2 + 2} directly in the string.

//   `;

// console.log(multilineStatement);

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