Question1:

Write a JavaScript function that merges two arrays and removes all duplicate elements.

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| function mergeArraysAndRemoveDuplicates(arr1, arr2) {  // Concatenate the two arrays  const mergedArray = arr1.concat(arr2);  // Use a Set to automatically remove duplicates  const uniqueArray = [...new Set(mergedArray)];  return uniqueArray;  } |

Question 2:

Write a JavaScript function to remove a specific element from an array.

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Question 3:

Write a JavaScript function that generates all combinations of a string.

**Example string**: 'dog' **Expected Output**: d,do,dog,o,og,g

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| function generateCombinations(input) {  const result = [];  function combine(prefix, str) {  for (let i = 0; i < str.length; i++) {  result.push(prefix + str[i]);  combine(prefix + str[i], str.slice(i + 1));  }  }  combine('', input);  return result;  } |

Question 4:

Write a JavaScript program to list the properties of a JavaScript object.

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Question 5:

Write a JavaScript function to truncate a string if it is longer than the specified number of characters. Truncated strings will end with a translatable ellipsis sequence ("...") (by default) or specified characters.

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| function truncateString(str, maxLength, ellipsis = '...') {  // Check if the string is longer than the specified maxLength  if (str.length > maxLength) {  // Trim the string to the specified maxLength and append ellipsis  return str.slice(0, maxLength - ellipsis.length) + ellipsis;  } else {  // If the string is not longer than maxLength, return it as is  return str;  }  } |

Question 6:

Write an array function to return the sum of indefinite numbers.

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