

Assignment

1. Find the Largest Number in an Array: Write a function that takes an array of numbers and returns the largest number.
2. Array Sum: Write a function to calculate the sum of all elements in an array.
3. Reverse an Array: Write a function to reverse the elements of an array without using built-in reverse() method.
4. Remove Duplicates from an Array: Write a function to remove duplicate elements from an array.
5. Find the Intersection of Two Arrays: Write a function that takes two arrays and returns a new array containing elements common to both arrays.
6. Array Chunking: Write a function that splits an array into chunks of a specified size.
7. Rotate an Array: Write a function to rotate an array by n positions.
8. Find the Missing Number: Write a function that takes an array containing numbers from 1 to n with one number missing, and returns the missing number.
9. Find the Pair with the Given Sum: Write a function that takes an array of numbers and a target sum, and returns the indices of the two numbers that add up to the target sum.
10. Reverse a String: Write a function to reverse a given string.
11. Check for Palindrome: Write a function to check if a given string is a palindrome.
12. Count Vowels in a String: Write a function to count the number of vowels in a given string.
13. Find the Longest Word in a Sentence: Write a function to find the longest word in a given sentence.
14. Title Case a Sentence: Write a function to convert a given sentence to title case (the first letter of each word is capitalized).
15. Check for Anagram: Write a function to check if two given strings are anagrams of each other.
16. Character Frequency in a String: Write a function to find the frequency of each character in a given string.
17. Remove Duplicate Characters from a String: Write a function to remove duplicate characters from a given string.
18. Find the First Non-Repeating Character: Write a function to find the first non-repeating character in a given string.
19. String Compression: Write a function to compress a string using the counts of repeated characters (e.g., 'aaabbc' -> 'a3b2c1').