String Reversal: Write a function to reverse a given string in JavaScript without using built-in reverse functions.

```
JS String-Reversal.js X
JS String-Reversal.js > ...
      function reverseString(s1){
        let ans = "";
         for(let i=s1.length-1; i>=0;i--){
              ans = ans + s1[i];
          return ans;
      console.log(reverseString("geekster"));
      console.log(reverseString("javascript"));
      console.log(reverseString("code"));
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS D:\Priyanka\MCT-4\HOMEWORK\GEEKSTER-JS\weekly-test\Weekly-test-1> node .\String-Reversal.js
Debugger attached.
retskeeg
tpircsavaj
edoc
Waiting for the debugger to disconnect...
PS D:\Priyanka\MCT-4\HOMEWORK\GEEKSTER-JS\weekly-test\Weekly-test-1>
```

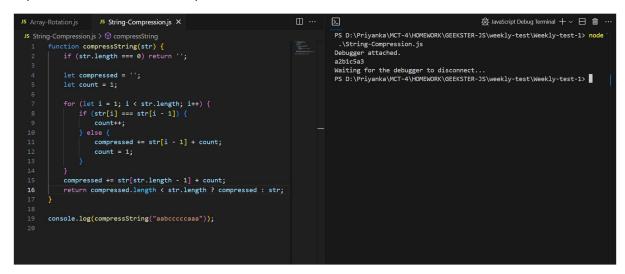
Anagram Check: Implement an algorithm to check if two strings are anagrams of each other (contain the same characters with the same frequency)

Array Intersection: Given two arrays, write a function to find their intersection (common elements).

String Palindrome: Create a function to check if a given string is a palindrome (reads the same forwards and backwards) while ignoring non-alphanumeric characters.

Array Rotation: Implement a function to rotate an array to the right by a specified number of positions.

String Compression: Write a function to perform basic string compression using the counts of repeated characters. For example, "aabcccccaaa" would become "a2b1c5a3."



Array Sum: Write an algorithm to find the pair of elements in an array that adds up to a specific target sum.

Longest Substring Without Repeating Characters: Write an algorithm to find the length of the longest substring without repeating characters in a given string.