1. Reverse a String

   Write a function to reverse a given string without using the built-in `reverse()` method.

2. Factorial Calculation

   Write a function to calculate the factorial of a given positive integer.

3. Palindrome Checker

   Create a function that checks if a given string is a palindrome (reads the same backward as forward).

4. Find the Longest Word

   Write a function that finds and returns the longest word in a sentence.

5. FizzBuzz

   Write a program that prints numbers from 1 to 100. For multiples of 3, print "Fizz"; for multiples of 5, print "Buzz"; and for multiples of both 3 and 5, print "FizzBuzz".

6. Sum of Array Elements

   Write a function that calculates the sum of all elements in an array.

7. Title Case a Sentence

   Create a function that converts a sentence to title case (capitalize the first letter of each word).

8. Count Vowels in a String

   Write a function that counts the number of vowels in a given string.

9. Fibonacci Sequence

   Implement a function that generates the Fibonacci sequence up to a specified number of terms.

10. Anagram Checker

Write a function that checks if two strings are anagrams of each other (contain the same letters, ignoring spaces and capitalization).

11. Missing Number

Given an array containing n distinct numbers taken from 0 to n, find the missing number.

12. Remove Duplicates from an Array

Write a function that removes duplicate elements from an array.

13. Calculate the Power

Implement a function that calculates x^n (x raised to the power of n) without using the `Math.pow()` method.

14. Merge Sorted Arrays

Write a function that merges two sorted arrays into a single sorted array.

15. Find the Second Largest Number

Create a function that finds and returns the second-largest number in an array of numbers.

16. Reverse Words in a String

Write a function that reverses the order of words in a sentence.

17. Validate Email Address

Implement a function that validates if a given string is a valid email address.

18. Find the Intersection of Two Arrays

Write a function that finds the intersection (common elements) of two arrays.

19. Check for Balanced Brackets

Implement a function that checks if a string with brackets (e.g., "{[()]}" or "[(){}]") is balanced.