1. **Write a JavaScript function to calculate the sum of two numbers.**
2. **Write a JavaScript program to find the maximum number in an array.**
3. **Write a JavaScript function to check if a given string is a palindrome (reads the same forwards and backwards).**
4. **Write a JavaScript program to reverse a given string.**
5. **Write a JavaScript function that takes an array of numbers and returns a new array with only the even numbers.**
6. **Write a JavaScript program to calculate the factorial of a given number.**
7. **Write a JavaScript function to check if a given number is prime.**
8. **Write a JavaScript program to find the largest element in a nested array.**
9. **Write a JavaScript function that returns the Fibonacci sequence up to a given number of terms.**
10. **Write a JavaScript program to convert a string to title case (capitalize the first letter of each word).**
11. **Write a function that takes an array of objects and a key, and returns a new array sorted based on the values of that key in ascending order.**
12. **Implement a function that takes two sorted arrays and merges them into a single sorted array without using any built-in sorting functions.**
13. **Write a function that checks if a given string is a palindrome, considering only alphanumeric characters and ignoring case.**
14. **Write a function to flatten a deeply nested array.** Example: flatten ([1, [2, [3, [4]], 5]]) should return [1, 2, 3, 4, 5].
15. **Write a JavaScript function to debounce a given function.** A debounce function ensures that a certain function does not get called too many times in quick succession.