**1. Sum of Multiples**

Write a function **sumOfMultiples(n)** that returns the sum of all multiples of 3 and 5 that are less than **n**.

Example:

javascriptCopy code

sumOfMultiples(10); // Output: 23 (because 3 + 5 + 6 + 9 = 23)

**2. Find Missing Number**

Given an array containing **n** distinct numbers taken from the range **0, 1, 2, ..., n**, find the one number missing from the set.

Example:

javascriptCopy code

findMissingNumber([3, 7, 1, 2, 8, 4, 5]); // Output: 6

**3. Capitalize Words**

Write a function **capitalizeWords(str)** that takes a string of words separated by spaces and returns a new string where the first letter of every word is capitalized.

Example:

javascriptCopy code

capitalizeWords("hello world from javascript"); // Output: "Hello World From Javascript"

**4. Chunk Array**

Write a function **chunkArray(arr, size)** that splits an array into chunks of the desired size and returns them as a two-dimensional array.

Example:

javascriptCopy code

chunkArray([1, 2, 3, 4, 5, 6], 3); // Output: [[1, 2, 3], [4, 5, 6]]

**5. Flatten Array**

Given a nested array, write a function **flattenArray(arr)** that returns a new array with all nested arrays flattened.

Example:

javascriptCopy code

flattenArray([1, [2, [3, 4], 5], 6]); // Output: [1, 2, 3, 4, 5, 6]

**6. Palindrome Check**

Write a function **isPalindrome(str)** that checks if the given string is a palindrome (ignoring spaces, punctuation, and capitalization).

Example:

javascriptCopy code

isPalindrome("A man a plan a canal Panama"); // Output: true

**7. Fibonacci Sequence**

Write a function **fibonacci(n)** that returns the nth number in the Fibonacci sequence.

Example:

javascriptCopy code

fibonacci(5); // Output: 5 (because the sequence starts as: 0, 1, 1, 2, 3, 5...)

**8. Array Intersection**

Given two arrays, write a function **findIntersection(arr1, arr2)** that returns an array containing their intersection.

Example:

javascriptCopy code

findIntersection([1, 2, 3, 4], [3, 4, 5, 6]); // Output: [3, 4]

These problems should provide a good balance of challenges and will require you to think about your approach and potentially research some JavaScript methods or techniques to find optimal solutions. Good luck!