

Javascript Class 5 & 6 Exercises

Level: Easy

Q1: Create a function `reverseWords` that accepts a sentence (string) and returns a new sentence with each word reversed but still in its original position.

Q2: Write a function `sumArray` that takes an array of numbers and returns the sum of all elements. Use the `forEach` loop to achieve this.

Q3: Using the `map` function, write a function `squareAndSum` that takes an array of numbers, squares each element, and then returns the total sum of the squares.

Q4: Create a function `getTodayDate` that returns today's date in the format "YYYY-MM-DD" using JavaScript's `Date` object.

Level: Medium

Q5: Write a function `filterPrimes` that takes an array of numbers and returns only the prime numbers using the `filter` method.

Q6: Implement a function `capitalizeWords` that takes a sentence and capitalizes the first letter of each word.

Q7: Write a function `findMax` using `reduce` to find the maximum number in an array.

Q8: Create a function `anyNegative` that checks if any number in an array is negative. Use the `some` method.

Level: Hard

Q9: Implement a function `countVowels` that uses the `reduce` method to count the number of vowels in a given string.

Q10: Write a function `sumMixedArray` that takes an array containing mixed types (numbers, strings, booleans, etc.) and returns the sum of all valid numeric values. Ignore non-numeric values.