



# Day 12: Function

## Problem 1: Filter Even Numbers

Write a function that accepts an array (or list) of numbers and returns a new array (or list) containing only the even numbers. Test the function with different arrays.

## Problem 2: Check Anagrams

Write a function that accepts two strings as parameters and checks if one is an anagram of the other. Test the function with different pairs of strings.

## Problem 3: Celsius to Fahrenheit Conversion

Write a function that accepts a temperature in Celsius and converts it to Fahrenheit. Test the function with different temperature values.

## Problem 4: Find Largest Element

Write a function that implements finding the largest element in an array (or list) of numbers. Test the function with different arrays.

## Problem 5: Merge Two Arrays

Write a function that accepts two arrays (or lists) and merges them into a single array (or list). Test the function with arrays of different lengths.

## Problem 6: Calculate Area of a Circle

Write a function that calculates the area of a circle. The function should take the radius as a parameter and return the area. Test the function with different radius values.

## Problem 10: Simple Calculator

Write a function that simulates a simple calculator. The function should take two numbers and an operator (+, -, \*, /) as parameters and return the result of the operation. Test the function with various calculations.

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