

Problem set 4

Medium: Factorial Calculation

Question: Implement a function that calculates the factorial of a given non-negative integer using recursion.

Explanation: Recursion is a fundamental concept in programming. This problem will help you understand how to define base cases and recursive cases.

Hint: Remember that the factorial of n (denoted as $n!$) is $n * (n-1)!$, with $0! = 1$.