Week 1 - Fundamentals - Tues. Recap



<u>Sigma</u>

Implement function sigma(n) - given number n, return the sum of positive integers from 1 to n, inclusive. E.g.: sigma(3) == 1+2+3; sigma(5) == 1+2+3+4+5.

Factorial

Implement factorial(n) - given n, return the product (multiplication) of positive ints from 1 to n (inclusive). E.g.: factorial(3) == 1*2*3; factorial(5) == 1*2*3*4*5.

Week 1 - Fundamentals - Wednesday



This week you will familiarize yourself with basic programming constructs. Some or all of the below concepts will be used in this week's challenges.

for loops, while loops if / else statements % (called modulus)
Math.random, Math.floor, Math.ceil console.log

Threes and Fives

Add all the values from 100 and 4000000 (inclusive) that are evenly divided by 3 or 5 but not both. Display this value in the console.

Second challenge: Create one where *start* and *end* values are customizable (defaults 100 and 4000000).

Answer: Answer:

Generate Coin Change

Implement a function generateCoinChange() that accepts a parameter for the number of cents, and computes how to represent that amount with the smallest number of coins. Console.log the result.

Tomorrow: Dick and Jane visit Las Vegas, while Spot reduces large numbers to a pair of paws