

Classroom Assignment: Sum of n values

Learning Objective:

Learn to implement a function in JavaScript that calculates and prints the cumulative sum of numbers from 1 to a given `n`.

Expected Completion Time:

Best Case: 10 minutes

Average Case: 15 minutes

Assignment Details:

Write a function to sum all the values between 1 and n, and return the sum

Take $n = 5$, print between 1 and 5, and keep adding the sum of values

i.e., $1+2=3$, $3+3=6$, $6+4=10$, $10+5=15$

Assignment Requirements:

1. Define a function with parameter `n`.
2. Initialize `sum` to 0.
3. Iterate from 1 to `n`.
4. Add `i` to `sum` in each iteration.
5. Print `i` and the current `sum`.
6. Return `sum` after the loop.
7. Call the function with a specific value.

Hints to Solve:

Remember to initialize a sum variable before the loop and use a `for` loop to iterate, adding each number to the sum while printing the intermediate sums.

Expected Outcome:

Upon completion, you should be able to:

- Understand and apply looping and accumulation techniques to calculate cumulative sums in JavaScript.