

CS201 Computer Science I

Date: 10/27

Goal: To exercise the idea of procedural programming and parameter passing

Problem: printFractionSum

Description: Write a program which contains a procedure printFractionSum that accepts an integer parameter N and prints to the console the first N terms of the sequence $\sum_{i=1}^N \frac{1}{2^i}$, and returns the value of the sum to the main program for printing.

The parameter N is a user input, and your program should make sure it is greater than 0.

Output: The call printFractionSum(5) should print:

$$1 + (1/2) + (1/4) + (1/8) + (1/16) = 1.9375$$