

CSCI-21 Floating-point programming, due 11/5/20

Exercise 1 — Arithmetic Expression

Write a program that computes value of the following arithmetic expression for values of x and y entered by the user:

$$5.4xy - 12.3y + 18.23x - 8.23$$

Exercise 2 — Harmonic Series

Write a program that computes the sum of the first part of the harmonic series:

$$1/1 + 1/2 + 1/3 + 1/4 + \dots$$

This sum gets bigger and bigger without limit as more terms are added in. Prompt the user for a number of terms to sum, compute the sum, then print the sum with a reasonable description.