

CS 111

Introduction to Computer Science

Fall 2015

Lecture 8: Oct 1, 2015
(Loops)

REPETITION

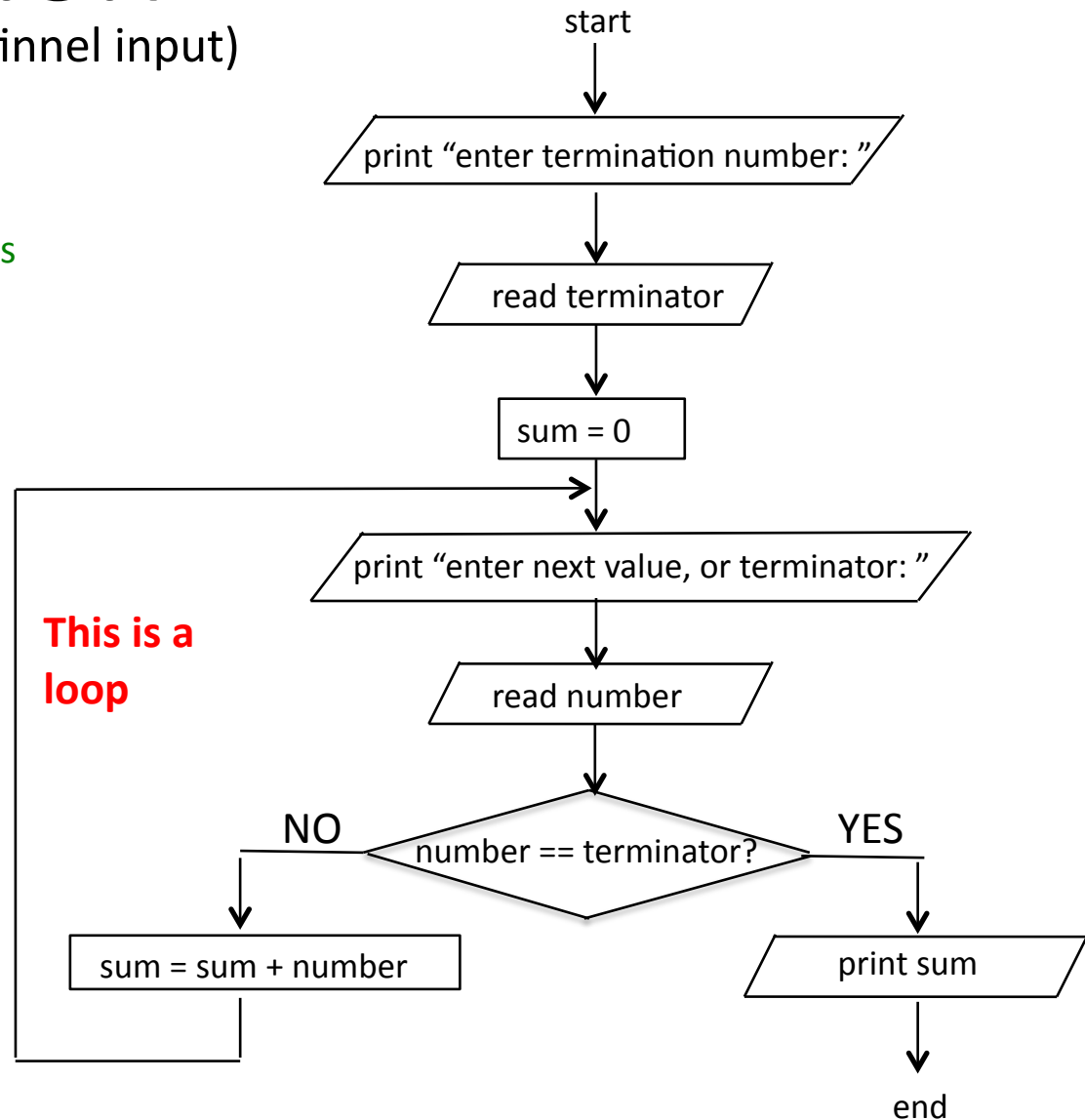
(Terminated by sentinnel input)

Read a bunch of numbers entered by user, terminated by a special number (called sentinnel) which flags the end of input (but is itself NOT an input value). Compute and print the sum of all input values.

TESTING

Input	Expected
-1, 2, 55, 10, -1	67
-99, 86, -16, -99	70
55, 55	?

HOW WOULD YOU ENHANCE THIS TO COMPUTE AND PRINT AVERAGE?



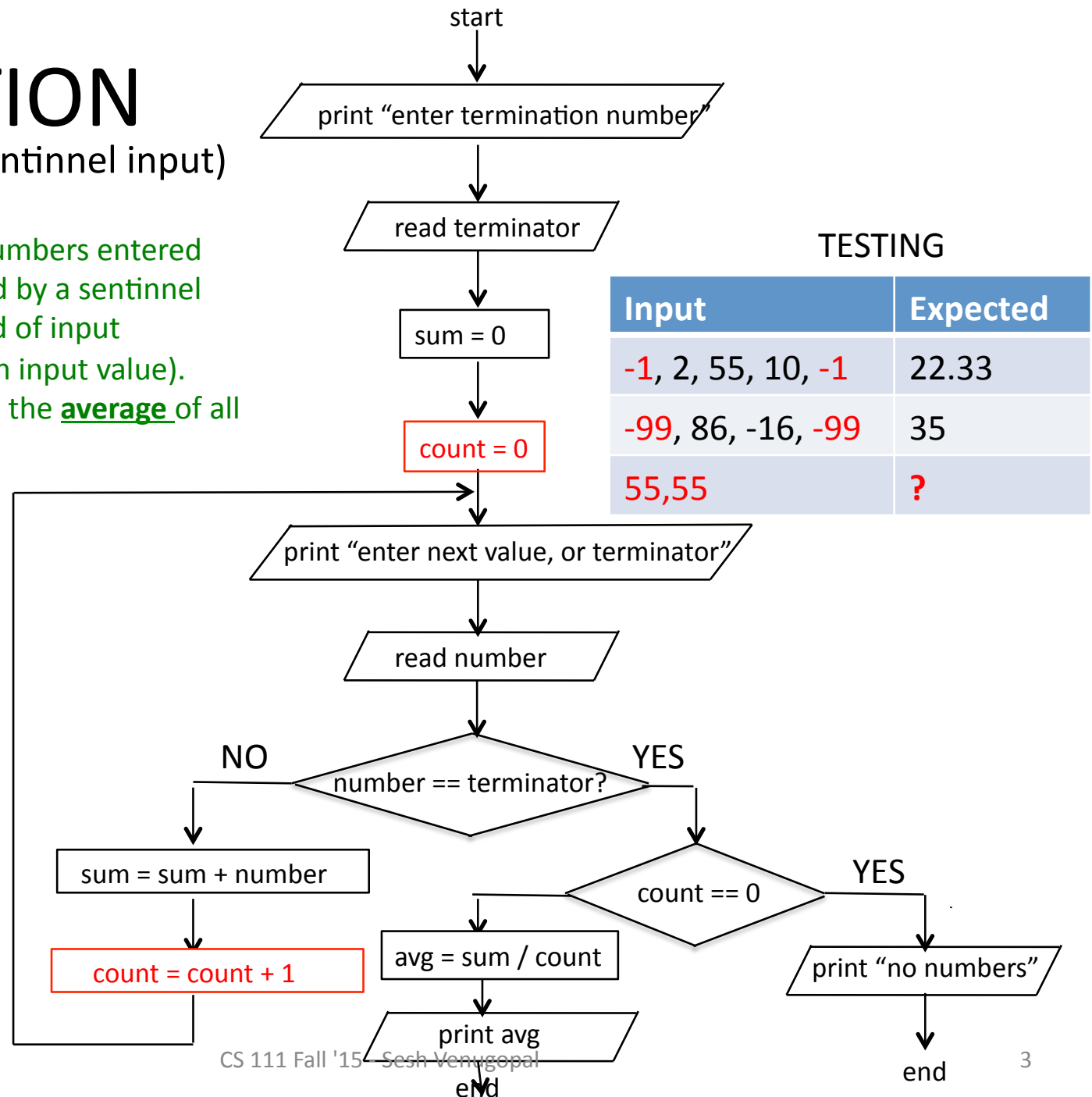
REPETITION

(Terminated by sentinell input)

Read a bunch of numbers entered by user, terminated by a sentinell which flags the end of input (but is itself NOT an input value). Compute and print the average of all input values.

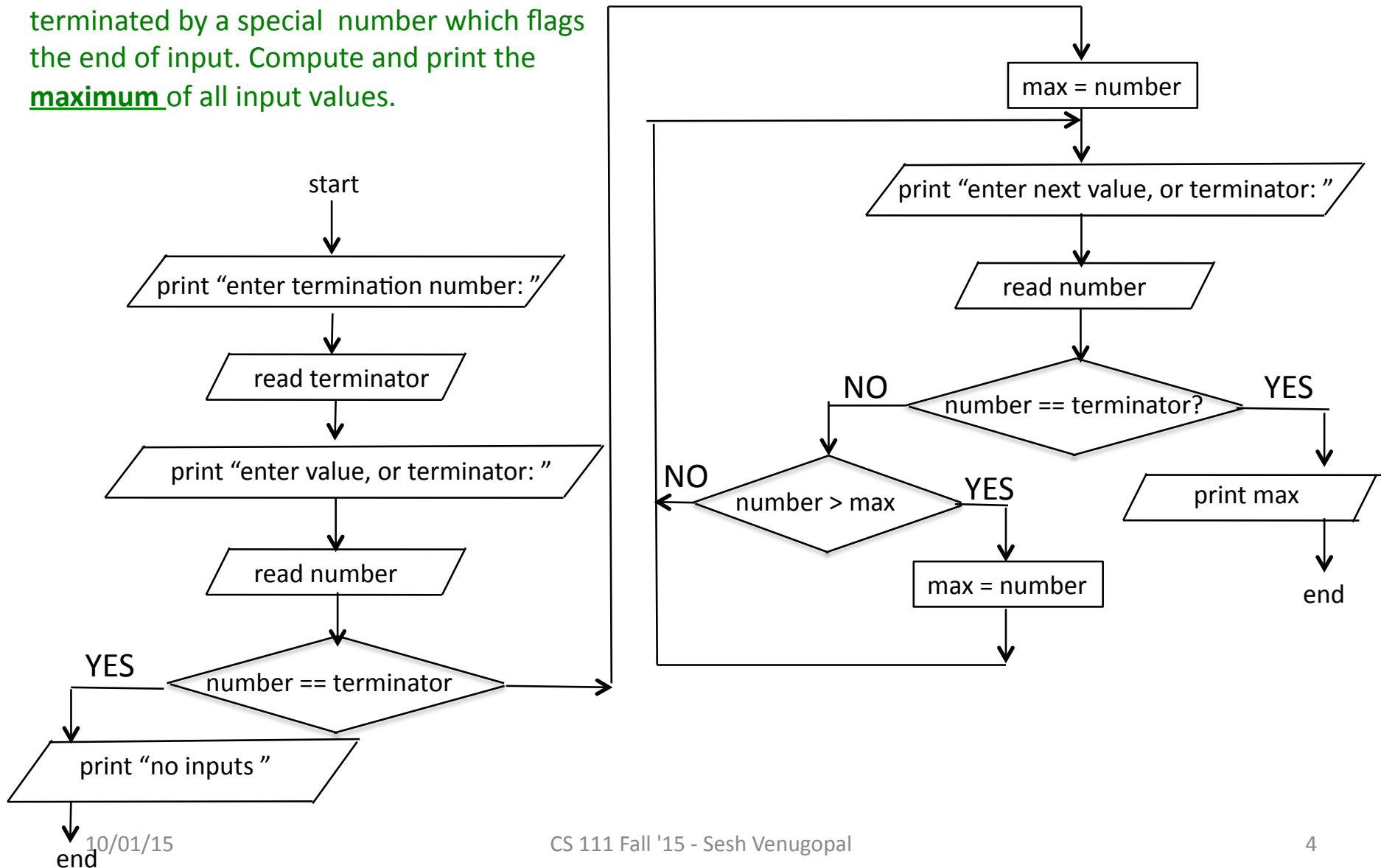


Find maximum of a bunch of inputs



Find Maximum

Read a bunch of numbers entered by user, terminated by a special number which flags the end of input. Compute and print the maximum of all input values.



REPETITION

Use NUMBER of values as input to determine termination

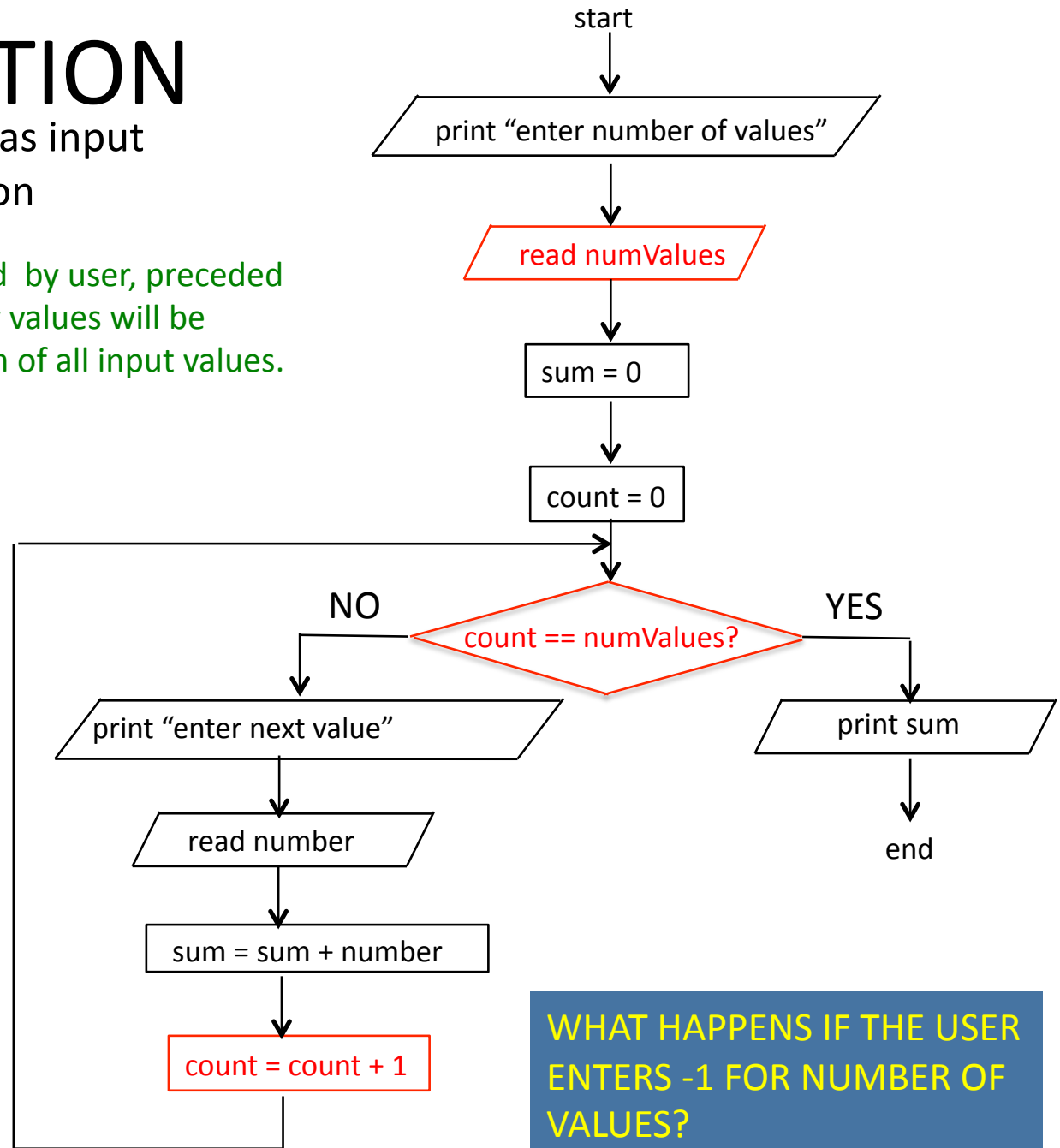
Read a bunch of numbers entered by user, preceded by a number that tells how many values will be input. Compute and print the sum of all input values.

TESTING

Input	Expected
3,2,55,10	67
2,86,-16	70
0	0
-1	?



Similarly find average and maximum



WHAT HAPPENS IF THE USER ENTERS -1 FOR NUMBER OF VALUES?