

Lassonde School of Engineering

Dept of EECS2200

EECS 2032 Winter 2020

LAB 4

Lab Objectives

Write a script to manipulate data in two different files

Part 1

Write a bash script that reads integers each integer is on a new line until it reads a negative numbers. Then it displayed either YES or NO

If all the (non negative) integers read are contiguous (17 18 19 ..) it displays YES, otherwise it displays NO.

Submit as l4.sh to LAB4

Part 2

Write a C code that reads three numbers (integers or floating point). Then it prints one of the following

- If all the numbers are positive (or zero) it writes “All Positive” followed by a new line
- If all the numbers are negative it writes “All Negative” followed by a new line
- If some are positive and some are negatives, then it writes one of the following
 - If the sum of the magnitudes of the positive number is bigger than or equal the sum of the magnitudes of the negative numbers, it displays “Positive wins” followed by a new line
 - If the sum of the magnitudes of the positive number is less than the sum of the magnitudes of the negative numbers, it displays “Negative wins” followed by a new line

Submit as l4.c to LAB4