

Lassonde School of Engineering

Dept of EECS

EECS 2032

LAB 5

Lab Objectives

To get familiar with writing and compiling C programs using strings, arrays, pointers, and formatting outputs.

Problem 1

Read a string from the standard input (the string does not contain any spaces or tabs).

If the entire string consists of consecutive characters and all are small letters display:

Consecutive and all small letters

followed by a new line, if all capitals letters, replace small by capital.

If the letters are not consecutive, display

Not consecutive

In both cases end the display by a new line

save as lab5_1.c

Problem 2

Write a C code to read two integers on the same line (n , and m)

Then the program proceeds to read matrix A with n rows and m columns.

Display only those rows where all the elements are non-descending. Each row displays its number(s) in %5d format, each row is on a separate line, then '\n'.

Suggestion: Use pointers to navigate through the array elements.

save as lab5_2.c