Lassonde School of Engineering

Dept of EECS

EECS 2032

LAB 4

Lab Objectives

To get familiar with writing and compiling C programs

Problem 1

This lab should be easy and takes little time to complete.

Write a C code to read one integer (M) followed by another two integers (i, j).

Display the i^{th} through the j^{th} digits of M.

For example if the input is

1234567 1 4

Display digits 1 through for of the integer 1298567

Integer 1 2 9 8 5 6 7

Digit number 6 5 4 3 2 1 0

So you must display digits 1 through 4, i.e. display 9856

Hint:

Read as integer, not string

Use a combination of integer division and mod to get the result

For example in the above case first you divide the number by 10^x, in that case x=1

to get 129856

Then get the number above (129856) mod 10^y (y = 4) you get 9856

Your job is to calculate what should be the value of x and y and their relation to i and j;

use a loop that multiply by 10 to get the power of 10 you need.

save as 2032Z_LAB4 lab4_1.c

Please note that next week , we have labtest1 based on BASH (labs 1 to 3)

ALL THE BEST !