

COSC 251 – Lab #2

C is for Canada!

Purpose: Work with C to get some struct (and function pointer) practice

Task: Utilizing one of the C compilers, create a struct, called Person (typedef if you want) with the following fields:

- id - a numeric id number
- name - the name (you might need to import string.h)
- job - 'l' if a lumberjack, 'm' if a Mountie
- location - where the person is located.
- hours - a number of hours worked. This should include partial hours as well.

You will also need a function pointer for what will be a simple print function. Depending the person created (whether the person is a lumberjack or a Mountie) a particular print function will be used. For the lumberjack, name and location should be printed. For the Mountie, name and hours should be printed. You should also indicate if the person is a lumberjack or a Mountie.

Create a main function that will use and test your struct. Be sure to test both print functions!

Summary of code needed: 1 struct, 2 print functions, 1 main function.

You may work in pairs for this lab.

Deliverable: the c file that contains your source. It should be well commented.

Due: By 11:59 pm Tuesday. No exceptions. To be turned in via Blackboard.