

Inf-1100, Assignment 1

Submission: 16:00 September 2 2016

Overview

The focus of this assignment is to write and document a small C program. You will learn to use the tools necessary to write and compile a program, and to practice the skills of documenting programs you create.

Description

Your assignment is to write a small C-program that has two variables ‘x’ and ‘y’, both given two integer values (you can choose the values). The program should compare the value of these two variables and print out only the largest of these two values. The program should work with any integer values of ‘x’ and ‘y’.

C solution

Create a file ‘compare_vars.c’ with the C source code of your program. To test your implementation of the assignment, compile the code with the C compiler generating a program ‘compare_vars’, and run this program to see that you get the expected result.

Report

Describe the implementation of the programs you made. Do not include the source code in the text (it should be submitted as separate files). However, the source code should be readable enough, both in structure and the way it is commented, for another programmer to verify its correctness. In other words, your report together with the source code needs to convince us that your programs work, not execution of the actual programs!

Include a ‘discussion section’ in which you note your observations on this assignment. Maybe you observed something interesting (or just surprising to you). If so, write about it in your report.

Also report any particular assistance you got from course staff or your fellow students that has been crucial to the fulfillment of the assignment. You are strongly advised to write documentation/notes along the way.

Submission

You should submit the report (‘assignment1.pdf’) and your code (‘compare_vars.c’) no later than September 2 16:00. The submission should be done using WISEflow¹.

You should submit two files, the report and the C source code. We only accept the report as a single file in the PDF format (not scanned). The C source code should be packed in a ‘zip’ file.

¹ <https://uit.wiseflow.dk/>