

COMP 30400 – Programming I & II

Lab 9 – 1 hour

Practical Overview

This practical is for Lecture 10. All portfolio programs require a header at the start of every source file. Refer to lecture notes on how to format it. Comments are expected throughout the code, where relevant. They should be used to discuss motivations for your approach and alternative ways of implementing the solution where appropriate.

Appropriate error checking for memory allocations, and free-ing of memory and files is required where relevant.

1) Portfolio Program 37

Create a structure that has 3 member variables: name, phone, student number. Write a function that allows the user to enter their name, phone number and student number and store it in the structure. The function should take 1 parameter: a pointer to a structure where it will store the input. Create two other functions, one to write the structure to disk, and one to read the structure from disk. When the user runs the program, it should give them an option of reading the person's info from disk, or enter new information and save it to disk.

2) Portfolio Program 38

Expand on program 37 by allowing it to process more than 1 student.

3) Remember to backup your portfolio.