

**CPSC 601: Programming with C & Java  
Spring 2009**

**Homework 1**

January 27, 2009

**Due date and time:** 9 p.m. Wednesday February 4, 2009

This set of homework consists of four Exercise problems from the textbook Chapter 1, one from Chapter 2, and three from Chapter 3, totaling eight problems. For example, 1.7 means Exercise problem 7 of Chapter 1. Your program should have a head comment including problem number, a short description of the problem, and your name, and an appropriate amount of comments throughout the program.

- Chapters 1: Each problem is worth 10 points.
  - 1.3
  - 1.7
  - 1.13
  - 1.14 [Addendum: As part of your program comments, explain in plain English what the `while` loop does and how it works.]
- Chapter 2:
  - 2.13 [10 points]
- Chapter 3:
  - 3.10 [Each version is worth 10 points, totaling 20 points.]
  - 3.20 [10 points]
  - 3.24 [20 points. The *Hint* is not only a hint but also a requirement. Your program should explore the *macro* functionality by use of `#define`.]