CIS 1.5 Fall 2008 Lab 2, Part 1

Instructions

- This is the first part of the second homework/lab assignment for CIS 1.5.

- The entire assignment will be worth 10 points.

- The first part is worth 5 points and will be distributed and worked on in class on Monday September 15th and Wednesday September 17th.

- The second part is worth 5 points and will be distributed and worked on in class on Monday September 22nd.

- **Both parts together are due on Monday September 29th** and must be submitted by email (as below).

- **Follow these emailing instructions:**

    1. Create a mail message addressed to *parsons@sci.brooklyn.cuny.edu* with the subject line **CIS 1.5 HW2**.
    2. Attach ONLY the **.cpp** files for each part, as outlined below.
       DO NOT ATTACH THE **.cbp** (CodeBlocks Project) files!
    3. Failure to follow these instructions will result in points being taken away from your grade. The number of points will be in proportion to the extent to which you did not follow instructions. . . (which can make it a lot harder for me to grade your work — grrrr!)

1 Before you start

- Get the "patient record" example from Professor Parsons (or if you are at home, download it from the class web page. It is one of the examples for Unit II).

- Make sure you can run the program.
  (0 points)

2 Printing every other record

- Modify the program so instead of printing every patient record, it prints the second, fourth and sixth records only.
  You will have to do this by reading in every record, but not printing all of them out.
  (1 point)

- Save your working program as **hw2-1.cpp**.

3 Finding a specific record

- Modify the program so that asks the user to enter a integer that represents a patient id number.
  (1 point)

- Now modify the program so that it reads in the patient records one by one, just as before, but it only displays the record for the patient whose id number was entered.
  (2 points)

- You can test your program by entering the id number 1002.

- Save your working program as **hw2-2.cpp**.

4 Finding the oldest patient

- Modify the program so that as well as printing all the records out, it finds the age of the oldest patient.

  (Hint: You can do this by having a variable that holds the age of the oldest patient found so far, and comparing the age of every patient in the file to this value)

- Make the program print out the age of the oldest patient.

  (1 point)

- Save your working program as **hw2-3.cpp**.