CSI 32 LECTURE NOTES (Ojakian)

Topic 7: Input/Output and Putting all together

OUTLINE
PRIMER: 1.2, 8.1, 8.2, 8.3, 8.4
TRANSITION GUIDE: 6.1, 6.2, 6.3, 6.4, 6.5

1. Input/output stream details

2. File input/output stream details

1. GOAL: Make a bigger program to bring things together

   (a) Will make a quiz program
   (b) First some details on input/output to console and to file.

2. Some more details on cin

   (a) Reads from user
   (b) Skips all whitespace till it encounters the first value of the appropriate type.
   (c) The rest of the user input is left in the input stream!!
   PROBLEM 1. *Do an example asking for an int, a float, and a char. Try various inputs.*

   PROBLEM 2. *Write a do-while loop that repeatedly asks for integers and stops when a non-positive number is given. Then after the loop have it ask for another integer. Note possible confusion with input still on the stream!*

3. getline with cin

   (a) Try reading into a string, and then use getline.
   (b) Write a function that sums integers with error checking (use "stoi")

4. File Stream

   (a) Instead of console, can read and write to file.

5. Write a quiz program