**Online CS 210**
**Fall 2012**
**Assignment #1**
**(50 points)**

**Due on or before end-of-day Sunday 9/30/12**

1) Chapter 1, Exercise Question #5, page 54 (all page numbers are from 2$^{nd}$ Edition of our textbook) – 15 points
{"A "quoted" String is…"}

2) Chapter 1, Exercise Question #6, page 55 – 15 points
{"There's one thing every…"}

3) Chapter 1, Programming Project #3, page 57 – 20 points
{"There was an old lady…"}

For this assignment, you should limit yourself to the Java features covered in Chapter 1 of the textbook. Though we will cover Chapter 2 while you work on this assignment, please do not use Chapter 2 features on this program, such as mathematical expressions, print statements (as opposed to println), or for loops.

*Comment your code using JavaDoc comments (see Appendix C in textbook for more info on this) – All Classes and Methods must be commented*

## Style Guidelines (for Problem #3):
You should not place any println statements in your main method. (It is okay for main to have empty println statements to print blank lines.) Instead of printing in main, use static methods for two reasons:

1. Structure: You should write static methods to capture the structure of the song. You should, for example, have a method for each of the verses of the song (including your custom verse) to print that verse's entire contents.

2. Eliminating redundancy: You should use only one println statement for each distinct line of the song (other than blank lines). A method that prints just one line is not good style. Instead, identify groups of lines that appear in multiple places in the song and create methods to represent those groups. There is a general cumulative structural redundancy to the song that you should eliminate with your methods. Recall that methods can call other methods if necessary (which can themselves call other methods, and so on). The key question to ask is whether you have repeated lines or groups of lines of code that could be eliminated if you structured your methods differently. This includes sequences of println statements and also repeated sequences of method calls.

Submit your assignments using our Canvas Assignment tool:

- 3 source code file(s) (*.java files)
- sample runs file: This should convince me that your program works even before I run it. Annotate to describe all the different tests that you've tried.
- short summary of your work: What does or doesn't work and why, any additional functionality reasons or excuses for missing functionality. What you learned, what you found difficult or unclear about the assignment, etc.
- Place all of the above documents in a folder (name it you name), zip it and submit the zipped folder as an attachment.

Make sure you keep a copy of everything that you submit for your records.