**Homework #1**

**Due Wednesday, February 21**

Write a program that outputs a poem with at least four lines. Your output should be well-formatted and should include your name and the poem’s title and author (No poems by Robert Frost).

With all homework assignments, you will turn in a statement describing how complete your work is. See the back of this sheet for a more detailed explanation of this requirement.

The executable program **Gold01.exe** demonstrates what your program should do except, of course, that *your* program should output *your* name and a *different* poem (not written by Robert Frost) than does **Gold01.exe**. You can access **Gold01.exe** either through the network drive within the Chavez building or through the through the download link on my Web page.

You should turn in (in a pocket folder): This assignment/grading sheet (write your name in the space below), your statement of completeness (see next page), a structure chart of your program (matching your “outline” comments), and a full printout of your program. Please put the pages in the order listed. All documents should be appropriately labeled (document title, your name).

You should also place a “soft” (electronic) copy of your program source (.cpp) file in the private folder of your FTP site, which can be found at <http://cs-engr.sac.edu>/Students. Your password is your 7-digit student ID number. The name of the code file should be “main.cpp”. It should be within a folder named “HW01” or “Homework 01”. You may also place other homework-related files (statement, chart) in this folder if you wish.

**Grading Sheet, Homework #1**

Name:

**Criteria Possible Achieved**

Program file(s) in private FTP folder 5

Statement of Completeness 5

Structure Chart 5

Clear Indentation and Spacing 5

Internal Code Comments 5

Appropriate Use of Statements & Expressions 5

Complete/No Errors 5

Output Format and Correctness 5

Presentation 3

Total: 43

Notes:

**Student’s Statement of Completeness**

For every homework assignment, you must provide a detailed statement that answers the question, “Is your work complete according to *all* requirements of the assignment?”

The grading sheet shows that there are more requirements than just “correct output.” You should make sure that your documentation, identifiers, spacing, presentation, etc., all conform to the standards set forth in the class.

You are expected to test your program. Run your program and *read* the output. If you make any changes to your program, run it again and re-check the output. If your program produces output based on input, you should test it several times with different inputs, each time verifying the correctness of the output. If your program does not even run, you might try commenting out parts of the code so that you can test the working parts.

If you believe that your work is complete, merely state that fact. Write something like “My program is complete according to all requirements of the assignment.” Be direct and explicit: Do not *just* write something like “It runs,” or “I didn’t see anything wrong with it,” or “I had some problems but I fixed them.” These are all right *only* if provided as comments *after* a direct conclusion about completeness. Note: If you claim that your work is complete and it is *not* complete in ways that you should have been able to detect, you will lose credit *twice*: once for the problems in the assignment and once for your failure to detect and/or admit those problems in your statement.

If your work is not complete, either because you did not complete all of the required work, some of the code does not do what it should, or any other standards are not met, tell me what *is* completed, what *is* correct, what is *not* completed, and what is *not* correct. Be detailed. For example, if the program does not run, tell me what error message you got and what section of code was indicated. Tell me what you tried to fix it. If the program runs but does not produce the correct output, tell me what part(s) of the output are wrong: what you expected and what you got. If you only wrote part of the program, tell me what you did write (and how much of it works) and what you did not write.

Remember: The purpose of your statement is to tell me what you did and did not accomplish. It is *not* your job to give yourself a *grade*, to tell me what grade you think I should give you, what grade you think you deserve, what grade you hope to get, etc. Evaluation is *my* job. Your job is to give me an honest report about what you did.

The statement must be typed on a separate sheet from other work (not be embedded as comments within the program). If you do not know any text editing applications, you may use the Visual Studio editor (just open up an empty program), but I recommend Notepad (Start->Programs->Accessories), which a very simple editor, or Word.

In addition to the requirements of your statement as described above, you *may* add personal comments such as how long you worked, what problems you had along the way, what you learned, how you feel about the assignment or your progress, etc. Do not mix these comments with the statement of completeness, put them after it as a separate paragraph. I find such comments interesting and educational. They will *not* affect your grade for the statement, but they *could* affect your grade for presentation in the unlikely case that they are significantly different from the rest of your presentation.