Evaluation and Grading for lab01 **[200 pts total]**

Mechanics [40 pts]:

1) **[10 pts]** successfully submitting the contents of your lab01 directory
    1) lab01/firstCProgram.c
    2) lab01/secondCProgram.c
    3) lab01/lab01.txt
    4) lab01/secondCProgram (optional)
2) **[10 pts]** lab01 directory contains secondCProgram.c and lab01.txt (a transcript file)
3) **[10 pts]** submission is on time and follows submission instructions (i.e. is done via turnin by the Due Date.)

Programming Tasks [110 pts]:

1) **[10 pts]** Changing the header comment (Step 7a)
    1) First line: firstCProgram.c to secondCProgram **[2 pts]**
    2) First line: F to C to C to F **[3 pts]**
    3) Second line: Name, class, lab01, and date **[5 pts]**
2) **[50 pts]** Changing the function definition per instructions (Step 7b)
    1) Change first line func def comment (Convert C to F) **[1 pt]**
    2) Func name fToC to cToF **[2-3 pts if inconsistent name (including func call in main)]**
    3) Param fTemp to cTemp **[2-3 pts if inconsistent name]**
    4) return (cTemp*(9/5) + 32) **[10 pts]**
    5) return comment (Return F) **[1 pt]**
3) **[50 pts]** Changing the main program per instructions (Step 7c)
    1) Main comment **[1 pt]**
    2) printf celsius **[Depends] (No one got this wrong…I think…)**
    3) scanf cTemp **[1-3 pts for inconsistent variable name]**
    4) fToC to cToF(cTemp) (fTemp = cToF(cTemp))
    [If user used inconsistent func name in func definition then don't deduct any points]
    5) printf (x degrees C is y degrees F, cTemp, fTemp)
    [10 pts total. 5 pts for string, 5 pts for parameter]

Correctness [50 pts]:

1) **[20 pts]** program compiles
2) **[20 pts]** program runs correctly

Test cases: 123C = 253.4F, 16C = 60.8F, 24 = 75.2F

Note: The output has to be exactly same. No partial credit for others. For example, 253.4C is 123F, it still counts as incorrect because this means user did not really test the program.

3) **[10 pts]** transcript file contains everything asked for in the instructions
    1) pwd (~/cs16/lab01)
    2) ls
    3) make secondCProgram
    4) ./secondCProgram
    5) exit

Usually minor errors, such as comment, inconsistent variable or function name, deducts 1 to at most 5 points each (depends).

Major errors, such as wrong equation or different output, deduct 10 to at most 20 points each (depends).