CSC173: Homework 0.0
C for Java Programmers

You will be programming in C in this course. If you've never done that before, **Don't Panic**. Java was developed by starting with C and adding features designed to help programmers develop complex programs more quickly and with fewer errors. Thus you will have no problem understanding the high-level structure of a C program.

But you will have to learn some new tricks. The key is to **Start Right Now**. Here's what to do:

1. Find and start reading the C for Java Programmers document. It was written just for you.

2. Start doing the C for Java Programmers Tutorial. It will step you through a series of programming problems from CSC171 and CSC172, but you will do them in C rather than Java.

3. You will need a C development environment. You probably used Eclipse for Java development in your earlier courses. There is a Using Eclipse for C Programming guide if you want to stick with that. There are other possibilities, including XCode (Mac), Visual Studio (Windows), command shells, and more. But you need **something** ASAP.

4. You should be able to complete most of the tutorial before our next class. The first project will be posted by then, so **Don't Wait**.

In this course, you must write your programs using the "C99" dialect of C. This means using the "`-std=c99`" option with `gcc` or `clang`. For more information, check Wikipedia.

You must also use the options "`-Wall -Werror`". These cause the compiler to report all warnings, and to make any warnings into errors that prevent your program from compiling. You should be able to write code without warnings in this course.

With these settings, your programs should compile and run consistently on any platform. There will be some differences, but we will deal with them when they come up.