CISC106 Fall 2008 Lab11

- Review the code examples from class.

- The office hours of the TAs and the instructor are on the class website. Visit us!

- **NOTE:** Every function comment section should contain, at a minimum, *three examples* of the function being called and the result of evaluating the call. Your test files must cover *at least* these exact examples (otherwise, why did you choose them?) and possibly more. Testing is important.

- **Every** .c you write or modify must be demonstrated by running on several test cases and submitting the resulting script file.

Problems

1. Copy the roll_lab.c file from the class website into your lab12 directory. Modify it by asking the user how many times to roll the dice, and use file I/O to write the frequency for each face in a file called "frequency".

2. Copy the rect_lab.c file from the class website into your lab12 directory. Use a function to print the rectangle, where the input arguments to the function are x & y that are read in the main function.

3. Copy the hist_lab.c file from the class website into your lab12 directory. Instead of initializing the array at the declaration, read the numbers from a user provided file called "numbers".

4. Copy the sin_cos_lab.c file from the class website into your lab12 directory. Add another argument to the function so as to include computation of 'tan'. Do the necessary modifications, so the call to the function would look something like:

   ```
   find_sine_cos(ang_rad,&a_sin,&a_cos_&a_tan);
   ```

If your TA requires a paper copy, be sure that you have a printed copy of your C files, script files demonstrating your testing. All must be stapled together, with your name and lab section on the top page.
   Be sure that you upload a copy of all the files to Sakai. Then, click submit ONLY ONCE to send these to your Sakai and your TA.

On the first page of every printed copy for this course, your name, section, and TA's name must appear.