CSC 300 Data Structures Spring 2014
Using the bigO program

The bigO program was written in C and converted to C++ (with min changes). It is a menu driven program to test the run times of several sort algorithms.

The program assumes your data files are located in the same directory as the program. You can change this in the global file_path constant and recompile the program. (should not need to)

You should download the source code and 4 data files. Place the data files in the current directory with the program.

Compile the program. I would rename it so you do not have to recompile over and over

Example : g++ bigO_2012.C -o bigo

Now you can run the program whenever you want by typing   ./bigo

The program uses command line argument to tell what file to use and other options

The simplest form of running the program would be

./bigo -f df1.dat   -f is the flag for file and df1.dat is the file to use in the program

THIS VERSION IS ALL YOU SHOULD NEED FOR YOUR WORKSHEET !!!!

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There is one more thing you could do and that is dump onto the screen the file to make sure it was sorted (good for testing) or if you do not trust my algorithms ☺

./bigo -f df1.dat   -d -b 300 –c 50

-d says to dump   -b 300 start at the 300 value -c 50 dump 50 values