Assignment 1 – Instructions and Commands

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For this project I implemented a Makefile, which will make the compiling very simple. The Makefile does use gcc as the compiler. My assignment includes 5 C files, 1 header file, 4 input files, and 1 Makefile.

The 5 C files are:

* lcgrand.c – The included C file that manages pseudo-random numbers.
* mm1.c – The included C file that is the program used in problem 1.
* mm1alt.c – The included C file that is a single-server queue system that ends based on time constraints.
* mm2.c – My altered version of mm1.c that simply includes a for() loop to run it multiple times.
* mm2alt.c – My altered version of mm2alt.c that changes mm1alt.c from a single-server system into a double-server system.

The 1 header file is:

* lcgrand.h – The included header file for lcgrand.c.

The 4 input files are:

* mm1.in – The sample input file for mm1.c.
* mm1alt.in – The sample input file for mm1alt.c.
* mm2.in – The input file for mm2.c. It is a duplicate of mm1.in.
* mm2alt.in – The input file for mm2alt.c. This contains the information used in problem 2 (Law 1.14).

The Makefile has a few commands to choose from:

* make all – This command will construct all executable files (mm1, mm1alt, mm2, mm2alt).
* make mm1 – This command will construct the executable file mm1.
* make mm1alt – This command will construct the executable file mm1alt.
* make mm2 – This command will construct the executable file mm2.
* make mm2alt – This command will construct the executable file mm2alt.
* make clean – This command will remove all executable files, .o files, and .out files in this directory.

Example commands (works with all make options):

In order to compile and run mm2.c, you only need to type 2 lines in terminal:

make mm2

./mm2