Shared Bathroom

Shared Bathroom is a c program that simulates how a shared bathroom in a university will working using pthreads and semaphores to organize male and female entry.

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Limitations

- The first gender to enter the bathroom will be the most likely to dominate it because of the sleep time, and since all fo the threads are created at the same time in the beginning.

Usage

To use the program, just run the main.c on linux environment, along with the libraries stated in the manifest file. User will enter the amount of males and females to enter and the simulation will then begin. If you want to change the time males and females use in the bathroom, there is a #define in the code you can change it,.