CS 433 Assignment 4

Name: Alec Guilin
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List of files:

main.cpp → *tests buffer implementation (also includes producer and consumer functions)*

buffer.cpp – source file → *buffer implementation*
buffer.h – header file

makefile – two important commands:
                make all (compiles program and creates executable)
                make clean (removes object files)

run – program executable

Program Instructions: Run the program by typing in the following
                ./run <x> <y> <z>
                x: time the main thread should sleep before terminating (in secs)
                y: # of producer threads
                z: # of consumer threads

NOTE: If you just run the program without entering any arguments, then a prompt will inform the user to input the three required arguments to begin the program