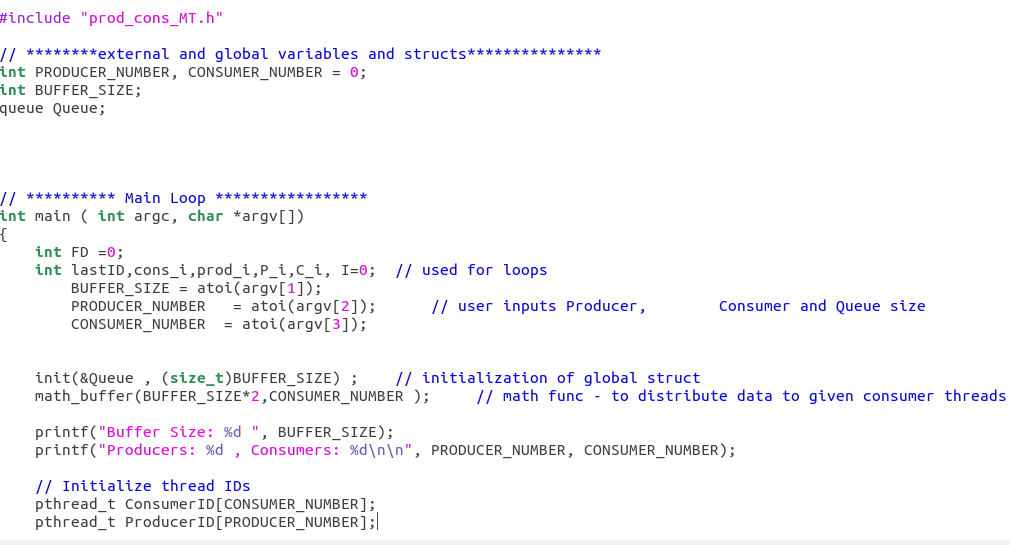
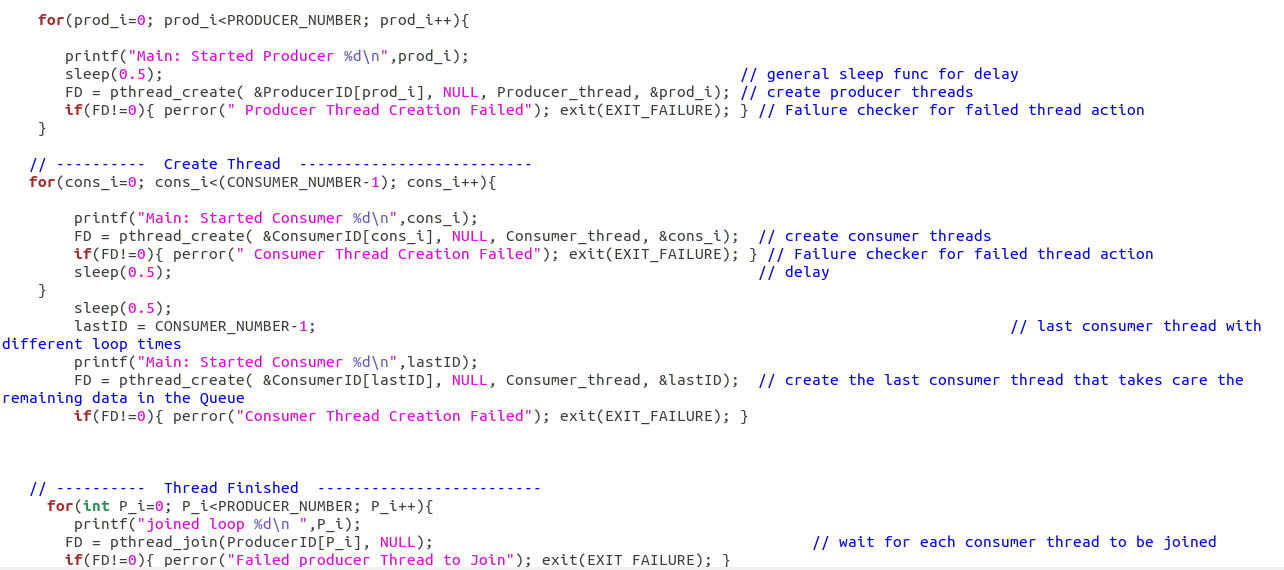
Project 2

Multithreading

Varun Subramanya

Due 10/18/2018





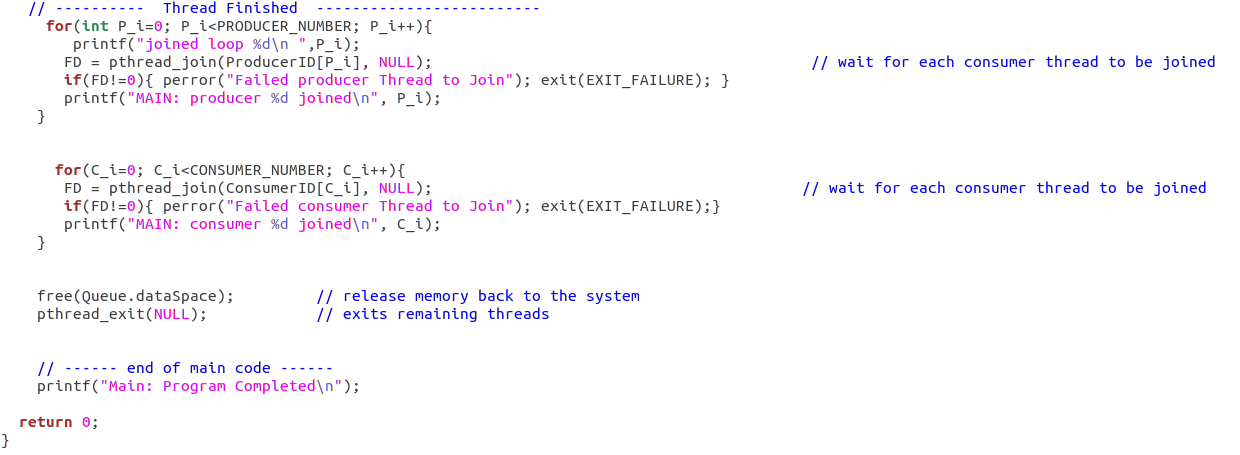
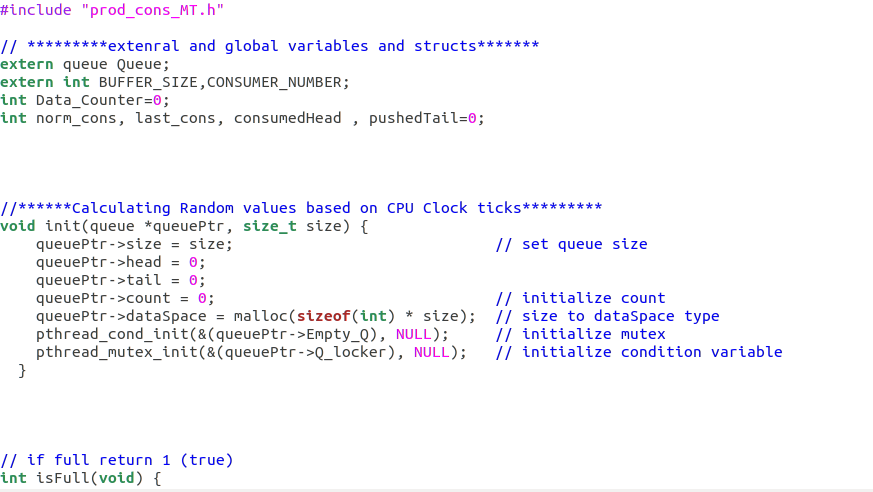
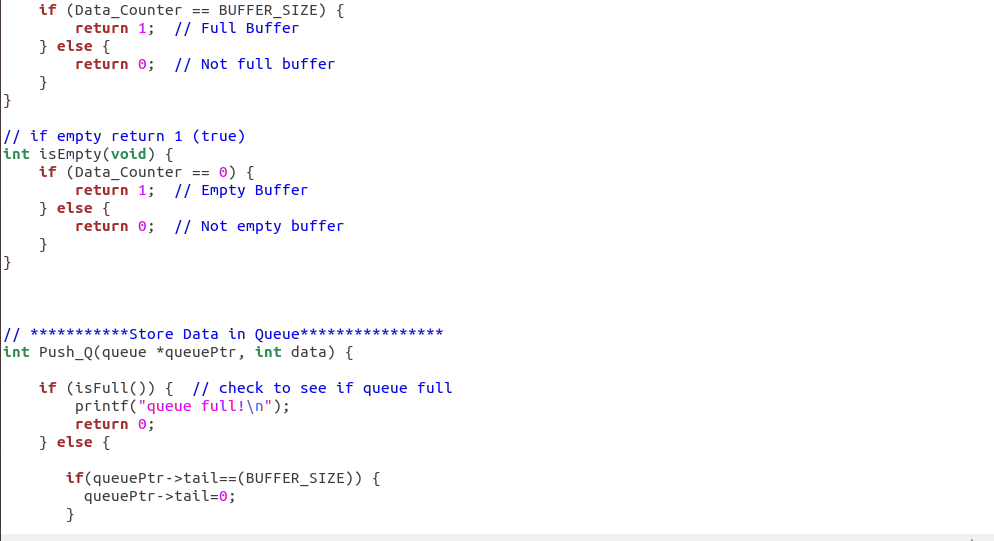
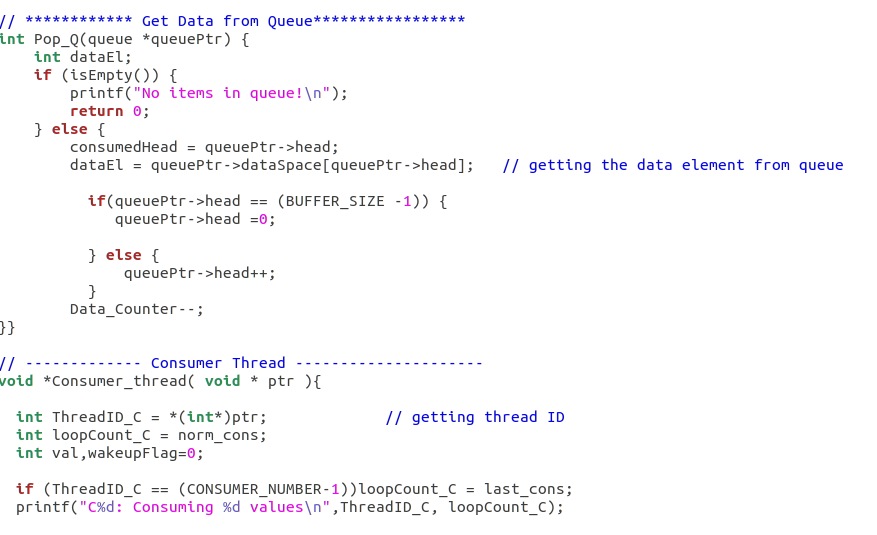
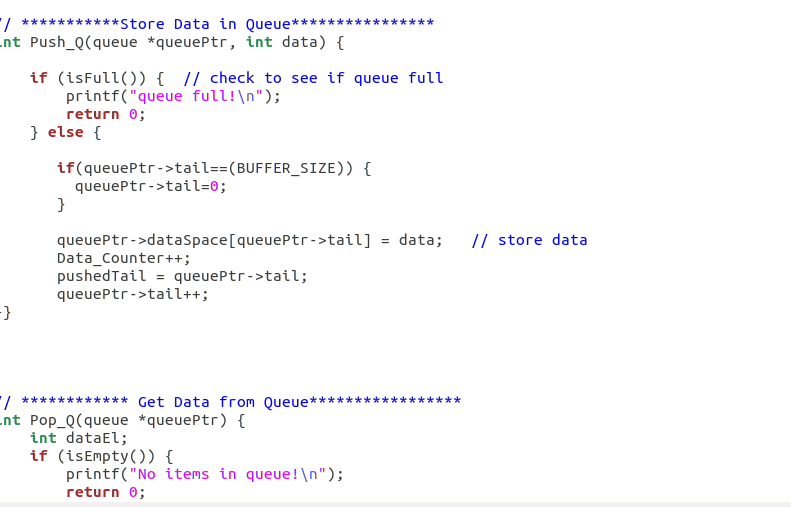


Fig: The main OS\_Program2.c code

Pod\_cons\_MT.h







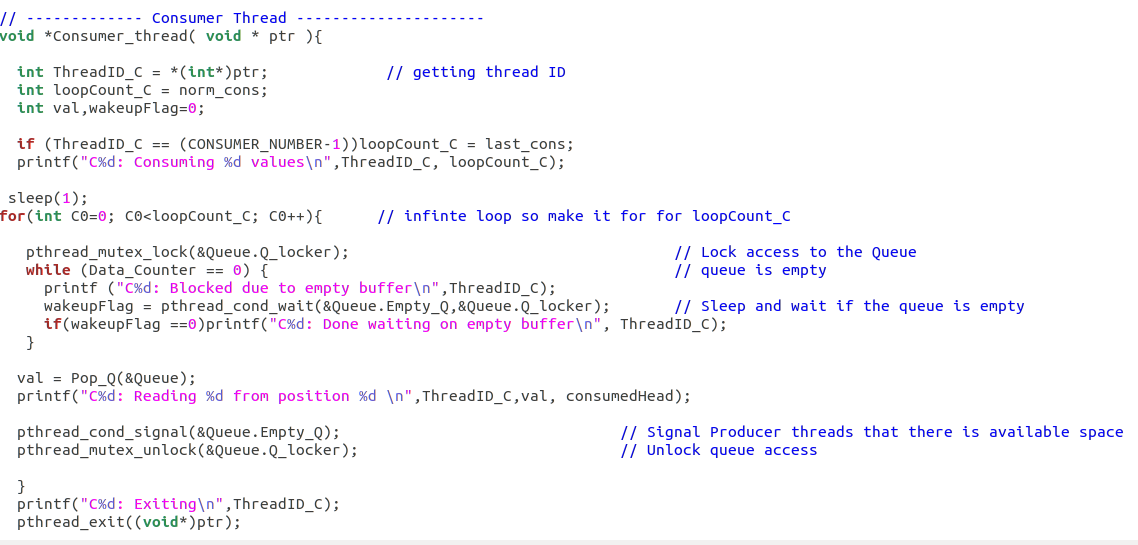
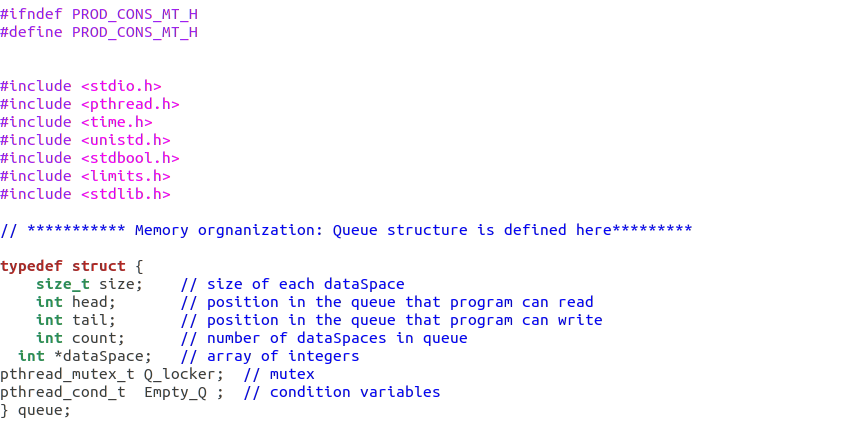


Fig: shows the code for prod\_cons\_MT.c where all the functions reside.

Header File:



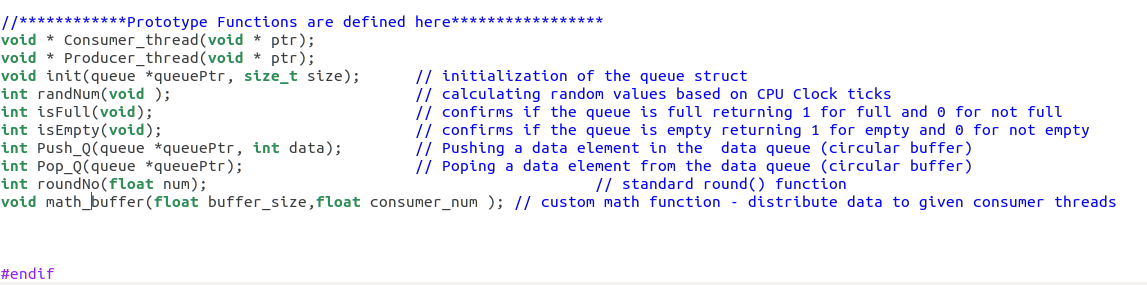
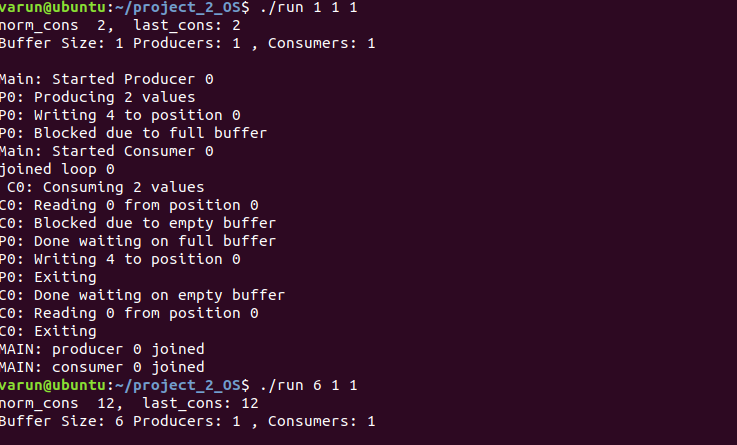


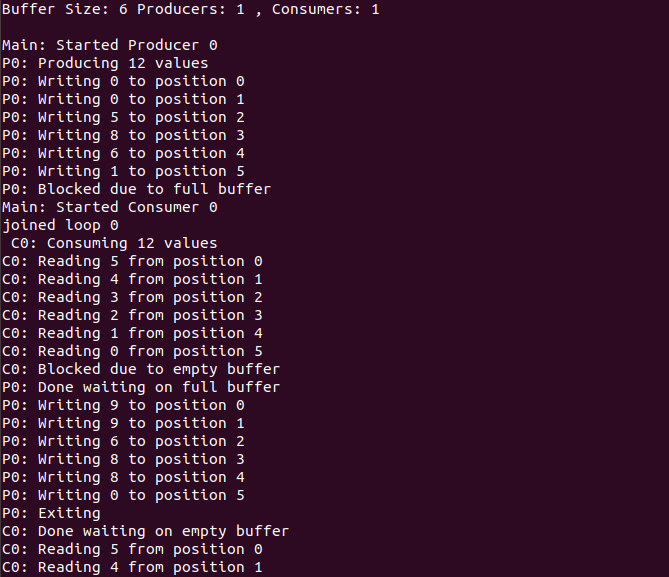
Fig: Header file prod\_cons\_MT.h

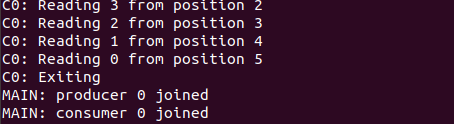
Screenshots:

1. Single buffer , single producer and single consumer

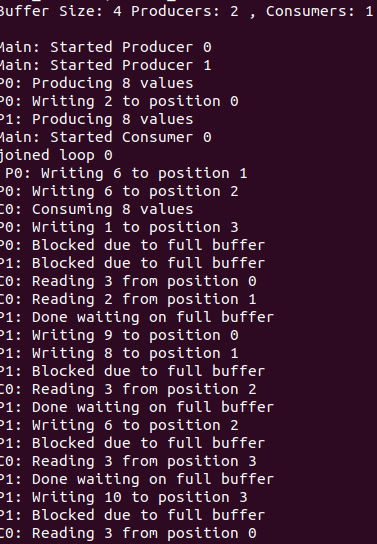


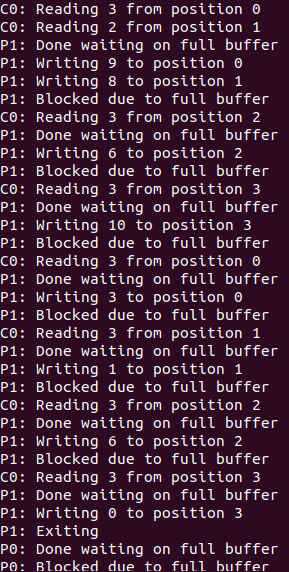
1. Increased buffer size, single producer and single consumer



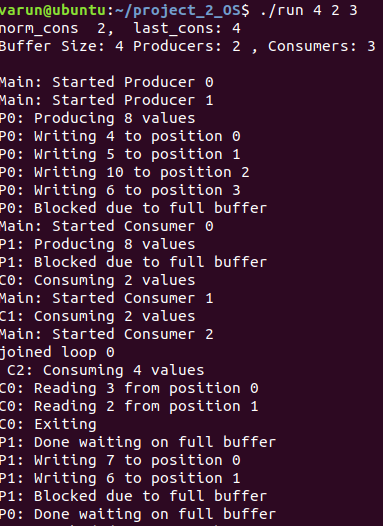


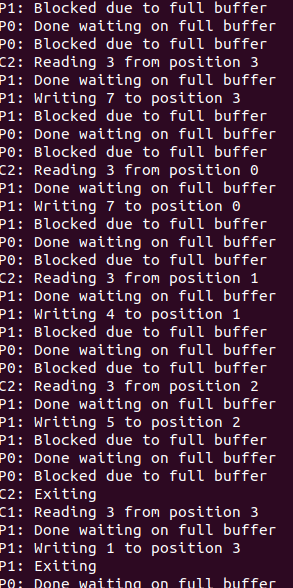
1. Buffer Size 4 , 2 producer and single consumer





1. Buffer size of 4 2 producers and 3 consumers ( multiple produers and consumers)





Note: The output of the program can be viewed by following the steps given in the readme file.