CSCD 340
Lab 6

1. In class I provided the deadlock solution to the dining philosophers. I also provided the non-deadlock version. Your task is to code the non-deadlock version using pthreads. I provided quasi-macros for RIGHT and LEFT, it is not necessary to code the macros in the fashion I provided, but you must not alter the main algorithm.

    Save your C file that contains main as cscd340lab6prob1.c

    Compile and execute your code and save a small portion of the output. Write a complete 4 sentences paragraph, 1 in margins, 12 pt font, clearly explaining what you observed by looking the output of your code. Save the output and your paragraph as a PDF named cscd340Lab6.pdf.

2. In class I provided the starvation solution to the readers/writers problem. Your task is to code a non-starvation version using pthreads. You will need to make small modifications to the provided starvation solution I provided, but you must not alter the main algorithm, meaning major rewrites "cuz Stu is wacked". If you are unsure ask.

    Save your C file that contains main as cscd340lab6prob2.c

    Compile and execute your code and save a small portion of the output. Write a complete 4 sentences paragraph, 1 in margins, 12 pt font, clearly explaining what you observed by looking the output of your code. Save the output and your paragraph as a PDF named cscd340Lab6.pdf.

TO TURN IN

A zip
*   Your C files
*   A Makefile with targets for all and each individual problem (prob1 and prob2)
*   Your PDF – Ensure you label each question in the PDF

You will submit a zip file named your last name first letter of your first name lab6 (Example steinerslab6.zip)