Individual Project
Due Wednesday, 04/04, at 11:59pm
Points 100

I. Project Organization

This project will study various solutions to the Producer/Consumer problem introduced in Chapter 5.

Code
For this project the simulator source code is proved in a Linux tar (tape archive) file. This file is available on the QBB244 lab machines in:

/home/latimer/project2/

There are four files in this directory

- HW-Threads-RealCV.gz — the tar archive file
- README — simulator directions
- README-tar — how to unpack the tar file
- threads-cs.pdf — the assignment directions, answer the 11 questions at the end of the pdf, skip question 3

Copy all four files into an appropriate directory in your QBB244 lab account using the command

```
cp  /home/latimer/project2/*  .
```

Answer 10 of the 11 questions at the end of the thread-cs.pdf file (skip question 3) in a Microsoft Word document (so they can be opened in Blackboard by the grader).

For each question:

- Provide an answer for each sub-question.
- When appropriate include a copy of the command line command (including options) used to run the simulator.
- When appropriate:
  - State your prediction about what is going to happen
  - Run the simulator to see what happened
  - Explain the results
  - A wrong prediction will not impact your score provided you explain why your prediction was wrong. If your prediction was supported, explain why it was supported.
- Answering NO to question one will not impact your score since your answer will change to YES by the time you complete the assignment.

Submitting

Submit your Word document on Blackboard.

- Be sure you name is in the document.
- Clearly label each question and sub-question.
- Include copies of the simulator output as appropriate to support your answers.

This assignment is due on Wednesday, 04/04 @ 11:59pm.

The solution to this assignment will be discussed in class on Friday, 04/06, in preparation for exam 2 that will be given on Monday, 04/09.

Late assignments will not be accepted!!!

This is an individual project. You are allowed to discuss the project with other students in the class but each student must create their own answer document. Copying all or part of a solution is not allowed.