

Home work # 4**40** points

Using the Triton system / or any other Linux system, perform the following tasks:

- a) Understand the shared memory code given in the class.
- b) Write a producer consumer problem using either shared memory or semaphores or both for one producer and one consumer problem.
- c) Run the above program and test it with an input and output files. An input file (inp.txt) contains a text that will be read by the producer and placed into a shared buffer. The consumer will read this shared buffer and output to another file (out.txt).
- d) Print all your code, input file and output file. Also, print the details of your compilation and running the program on Triton/Linux.