ex2:

Here are the instructions of running my code.

Firstly, We should create the images using docker.

**cd ex2**

**docker build -t lab1\_ex2 .**

I implemented memory-sharing communication by creating two c files, one for the consumer and one for the producer.

So you need to execute two separate files.

**docker run -it --name=lab1\_ex2 -v $(pwd)/:/root/lab lab1\_ex2 /bin/bash -c "cd /root/lab; gcc -o producer producer.c -lrt; ./producer"**

command above is finished and just waiting for consumer be runed, command below is to run the consumer

(In another shell)

**docker exec -it lab1\_ex2 bin/bash**

**cd root/lab/**

**gcc -o consumer consumer.c -lrt**

**./consumer**