

When both executable files are run at the same time, the output should be something along the lines of what is shown below.

```
jacob@jacob-VirtualBox:~/Documents/ConsumerProducerProblem$ g++ consumer.cpp -pthread -lrt -o consumer.exe
jacob@jacob-VirtualBox:~/Documents/ConsumerProducerProblem$ ./producer.exe & ./consumer.exe &
[1] 6937
[2] 6938
jacob@jacob-VirtualBox:~/Documents/ConsumerProducerProblem$ Full
Full
empty
Full
empty
requires restart
empty
Full
empty
Full
empty
Full
empty
Full
empty
Full
empty
Full
empty
Full
empty
Full
empty
Full
empty
Full
empty
Full
empty
This is the string to produce
processes are finished
^C
[1]- Done                  ./producer.exe
[2]+ Done                  ./consumer.exe
jacob@jacob-VirtualBox:~/Documents/ConsumerProducerProblem$
```