

Operating Systems (502) – Consumer-Producer Coursework

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Compilation

```
 -*- mode: compilation; default-directory: "~/coursework/Producer-Consumer/" -*-
Compilation started at Tue Dec 3 13:54:59

make -k
g++ -c -o helper.o helper.cc
g++ -Wall -c helper.cc main.cc
g++ -Wall -pthread -o main helper.o main.o

Compilation finished at Tue Dec 3 13:55:00

```

U:~%*-* compilation* All L10 (Compilation:exit [0])

Terminal Terminal emacs@corona23.d... [emacs]

Execution and Output

```
fh219@corona23:Producer-Consumer$ ./main 5 6 2 3
Producer(1): Job ID 1 duration 2
Consumer(1): Job ID 1 executing sleep duration 2
Producer(2): Job ID 2 duration 8
Consumer(2): Job ID 2 executing sleep duration 8
Consumer(1): Job ID 1 completed
Producer(1): Job ID 3 duration 7
Consumer(3): Job ID 3 executing sleep duration 7
Producer(2): Job ID 4 duration 5
Consumer(1): Job ID 4 executing sleep duration 5
Producer(1): Job ID 5 duration 4
Consumer(2): Job ID 2 completed
Consumer(2): Job ID 5 executing sleep duration 4
Consumer(3): Job ID 3 completed
Producer(1): Job ID 1 duration 7
Consumer(3): Job ID 1 executing sleep duration 7
Consumer(1): Job ID 4 completed
Producer(2): Job ID 2 duration 2
Consumer(1): Job ID 2 executing sleep duration 2
Consumer(2): Job ID 5 completed
Consumer(1): Job ID 2 completed
Producer(1): Job ID 3 duration 10
Producer(2): Job ID 4 duration 8
Consumer(1): Job ID 4 executing sleep duration 8
Consumer(2): Job ID 3 executing sleep duration 10
Producer(2): Job ID 5 duration 9
Consumer(3): Job ID 1 completed
Consumer(3): Job ID 5 executing sleep duration 9
Producer(2): Job ID 1 duration 6
Producer(2): No more jobs to generate
Producer(1): Job ID 2 duration 6
Producer(1): No more jobs to generate
Consumer(1): Job ID 4 completed
Consumer(1): Job ID 1 executing sleep duration 6
Consumer(2): Job ID 3 completed
Consumer(2): Job ID 2 executing sleep duration 6
Consumer(3): Job ID 5 completed
Consumer(1): Job ID 1 completed
Consumer(2): Job ID 2 completed
Consumer(3): No more jobs left
Consumer(1): No more jobs left
Consumer(2): No more jobs left
fh219@corona23:Producer-Consumer$
```