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zh1516@shell3.doc.ic.ac.uk
zh1516@vm-shell13:~/C++/OP/code$ ssh ray10.doc.ic.ac.uk
The authenticity of host 'ray10.doc.ic.ac.uk (146.169.52.10)' can't be established.
ECDSA key fingerprint is SHA256:n2d9kHt89dGZKlMZCqoX+CdqtdXkZVBjefdfGaezi7Q.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ray10.doc.ic.ac.uk,146.169.52.10' (ECDSA) to the list of known hosts.
=====
Please see www.imperial.ac.uk/computing/csg for news on any known problems before mailing doc-help@imperial.ac.uk for assistance.
=====
Linux 5.11.0-38-generic #42~20.04.1-Ubuntu SMP Tue Sep 28 20:41:07 UTC 2021 x86_64

                WELCOME TO THE COMPUTER LAB

zh1516@ray10:~$ pwd
/homes/zh1516
zh1516@ray10:~$ cd C++/OP
zh1516@ray10:OP$ cd code
zh1516@ray10:code$ ls
helper.cc  helper.h  main.cc  Makefile
zh1516@ray10:code$ make
g++ -c -o helper.o helper.cc
g++ -Wall -c helper.cc main.cc
g++ -Wall -pthread -o main helper.o main.o
zh1516@ray10:code$ ./main 3 3 2 3
Producer(1): Job id 0 duration 7
Producer(2): Job id 1 duration 6
Producer(1): Job id 2 duration 6
Consumer(1): Job id 0 executing sleep duration 7
Consumer(2): Job id 1 executing sleep duration 6
Consumer(3): Job id 2 executing sleep duration 6
Producer(2): Job id 0 duration 3
Consumer(2): Job id 1 completed
Consumer(3): Job id 2 completed
Consumer(1): Job id 0 completed
Producer(1): Job id 1 duration 2
Producer(1): No more jobs to generate
Producer(2): Job id 2 duration 8
Producer(2): No more jobs to generate
Consumer(2): Job id 0 executing sleep duration 3
Consumer(3): Job id 1 executing sleep duration 2
Consumer(1): Job id 2 executing sleep duration 8
Consumer(3): Job id 1 completed
Consumer(2): Job id 0 completed
Consumer(1): Job id 2 completed
Consumer(3): No more jobs left
Consumer(2): No more jobs left
Consumer(1): No more jobs left
zh1516@ray10:code$
```