include <random>

#include <deque>
#include <exception>
#include "helper.h"

#include <vector>

File Edit Options Buffers Tools C++ Help

oid *producer (void *parameter);
oid *consumer (void *parameter);
nt initSemaphores(int queue_size);
nt getJobId(deque <queue_element> buffer);
nt generateRandomNumber(int min, int max);

nt main (int argc, char **argv) {
 // check for command line variables

int jobs_per_producer = check_arg(argv[2]);
int number of producers = check_arg(argv[3]);
int number_of_consumers = check_arg(argv[4]);

cerr << "ERROR! Please provide 4 command line variables:\n\n" <<
 "1. Size of the queue\n" <<
 "2. Number of jobs each producer generates\n" <<
 "3. Number of producers\n" <<
 "4. Number of consumers\n" << endl;</pre>

Top L17 (C++/l Abbrev)

struct ProducerParameters {

int sem id;

if (argc != 5) {

ompilation finished

```
*- mode: compilation; default-directory: "~/Coursework/OS 1/" -*-
 Compilation started at Wed Dec 5 15:38:04
make -k
g++ -Wall -c helper.cc main.cc
g++ -Wall -pthread -o main helper.o main.o
Compilation finished at Wed Dec 5 15:38:05
```

(Compilation:exit [0]) -----

-UUU:%*--F1 *c

All L1