Running Example:

Compilation:

```
e@e-VirtualBox:~/Documents$ g++ producer.cpp -o producer
e@e-VirtualBox:~/Documents$ g++ consumer.cpp -o consumer
```

Running the program:

```
e@e-VirtualBox:~/Documents$ ./producer& ./consumer&
```

Output:

```
e@e-VirtualBox:~/Documents$ ./producer& ./consumer&
[1] 64647
[2] 64648
e@e-VirtualBox:~/Documents$
You wrote W to the buffer
You wrote R to the buffer
W was removed from the buffer
You wrote B to the buffer
R was removed from the buffer
You wrote Q to the buffer
B was removed from the buffer
You wrote H to the buffer
Q was removed from the buffer
You wrote D to the buffer
H was removed from the buffer
You wrote R to the buffer
D was removed from the buffer
You wrote O to the buffer
R was removed from the buffer
You wrote K to the buffer
O was removed from the buffer
You wrote Y to the buffer
K was removed from the buffer
Y was removed from the buffer
You wrote I to the buffer
You wrote D to the buffer
I was removed from the buffer
You wrote S to the buffer
D was removed from the buffer
You wrote D to the buffer
S was removed from the buffer
You wrote R to the buffer
D was removed from the buffer
You wrote M to the buffer
```