

```
/* while there is data in the queue ... */
while (kfifo_len(fifo)) {
    unsigned int val;
    int ret;
    /* ... read it, one integer at a time */
    ret = kfifo_out(fifo, &val, sizeof(val));
    if (ret != sizeof(val))
        return -EINVAL;
    printk(KERN_INFO "%u\n", val);
}
```