

## # 要求

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实现两个程序，write，read

- 在两个终端中分别运行write和read
- write将循环读终端输入，可输入空格，输入回车确定
- read进程将持续运行，感知到write输入的数据，就将该数据输出到屏幕上

## # 实现效果

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共享内存实现无关进程间的消息传递。注意 read() 调用一点要在本程序实现流程中，mutex lock 之前，并使用一个读缓存，否则输出端输出到屏幕有可能读不成功。



The image contains two terminal screenshots. The top screenshot shows the output of the 'read' process, and the bottom screenshot shows the output of the 'write' process. Both processes display the same sequence of text: 'nihao', 'haha', 'noway', 'akjdshfjkasdghkjasdhjkgasdkjhfkjahsdfa', 'ok ok', 'good!!!!', 'nice!!!!!!!!!!!!!!', and 'quit'.

```
➤ shmemo ./read
nihao
haha
noway
akjdshfjkasdghkjasdhjkgasdkjhfkjahsdfa
ok ok
good!!!!
nice!!!!!!!!!!!!!!
quit
```

```
➤ shmemo ./write
nihao
haha
noway
akjdshfjkasdghkjasdhjkgasdkjhfkjahsdfa
ok ok
good!!!!
nice!!!!!!!!!!!!!!
quit
```

使用进程间mutex，一个条件变量，建立类似生产者消费者模式的程序。