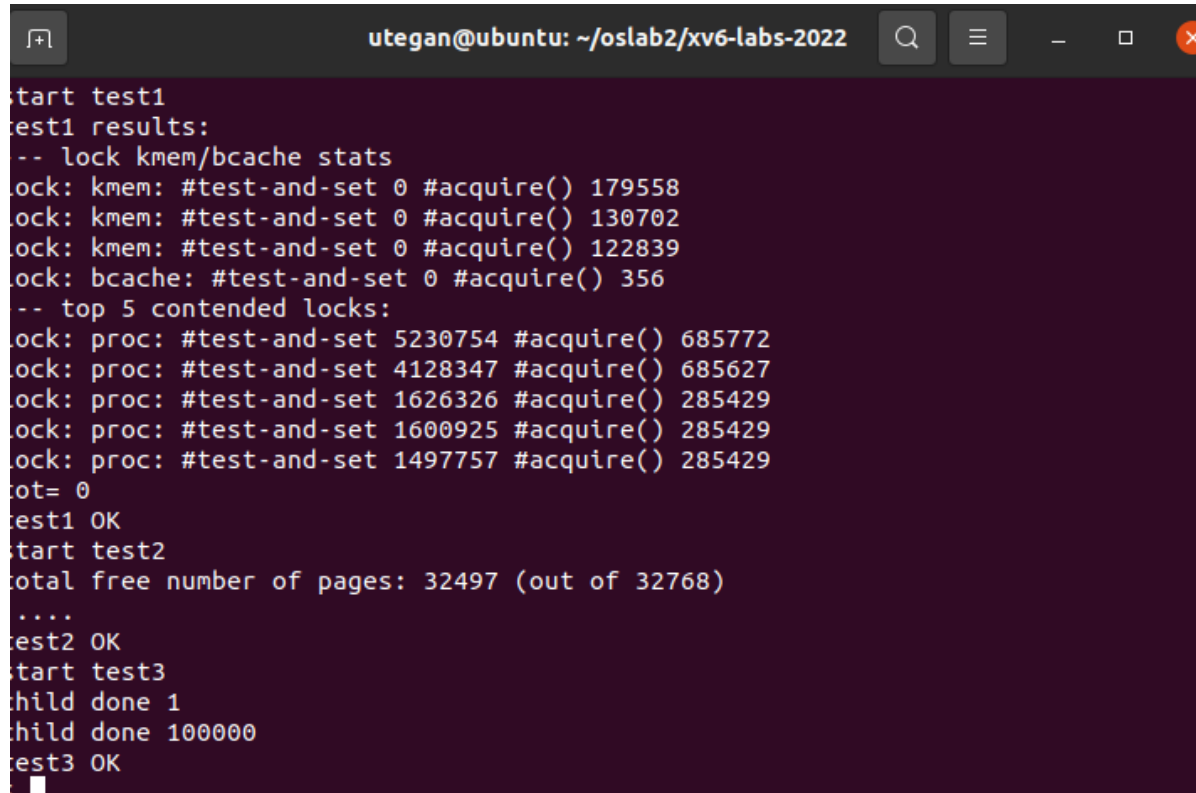


# lab8-lock:实验结果截图

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## Part1

---

A terminal window with a dark purple background and white text. The window title is 'utegan@ubuntu: ~/oslab2/xv6-labs-2022'. The terminal output shows the execution of several tests. 'test1' displays lock statistics for 'kmem' and 'bcache', and a list of 'top 5 contended locks' for 'proc'. 'test2' shows the 'total free number of pages' as 32497 out of 32768. 'test3' shows the completion of child processes. The output ends with a cursor on a new line.

```
start test1
test1 results:
-- lock kmem/bcache stats
lock: kmem: #test-and-set 0 #acquire() 179558
lock: kmem: #test-and-set 0 #acquire() 130702
lock: kmem: #test-and-set 0 #acquire() 122839
lock: bcache: #test-and-set 0 #acquire() 356
-- top 5 contended locks:
lock: proc: #test-and-set 5230754 #acquire() 685772
lock: proc: #test-and-set 4128347 #acquire() 685627
lock: proc: #test-and-set 1626326 #acquire() 285429
lock: proc: #test-and-set 1600925 #acquire() 285429
lock: proc: #test-and-set 1497757 #acquire() 285429
tot= 0
test1 OK
start test2
total free number of pages: 32497 (out of 32768)
....
test2 OK
start test3
child done 1
child done 100000
test3 OK
```

## Part2

---

```
test3 OK

exec bachetest   ailed
$ bcachetest
start test0
test0 results:
--- lock kmem/bcache stats
lock: kmem: #test-and-set 187255 #acquire() 1802781
lock: kmem: #test-and-set 0 #acquire() 1392576
lock: kmem: #test-and-set 378407 #acquire() 1282649
lock: kmem: #test-and-set 0 #acquire() 21
lock: bcache: #test-and-set 1970450 #acquire() 65332
--- top 5 contended locks:
lock: virtio_disk: #test-and-set 8129199 #acquire() 1185
lock: bcache: #test-and-set 1970450 #acquire() 65332
lock: cons: #test-and-set 499050 #acquire() 209
lock: cons: #test-and-set 499050 #acquire() 209
lock: cons: #test-and-set 499050 #acquire() 209
tot= 2536112
test0: FAIL
start test1
test1 OK
$
```

```
lock: bcache_bucket: #test-and-set 0 #acquire() 2113
lock: bcache_bucket: #test-and-set 0 #acquire() 4124
lock: bcache_bucket: #test-and-set 0 #acquire() 2282
lock: bcache_bucket: #test-and-set 0 #acquire() 4283
lock: bcache_bucket: #test-and-set 0 #acquire() 4327
lock: bcache_bucket: #test-and-set 0 #acquire() 6322
lock: bcache_bucket: #test-and-set 0 #acquire() 6756
lock: bcache_bucket: #test-and-set 0 #acquire() 9016
lock: bcache_bucket: #test-and-set 0 #acquire() 6183
lock: bcache_bucket: #test-and-set 0 #acquire() 6183
lock: bcache_bucket: #test-and-set 0 #acquire() 6184
lock: bcache_bucket: #test-and-set 0 #acquire() 4130
lock: bcache_bucket: #test-and-set 0 #acquire() 4121
--- top 5 contended locks:
lock: virtio_disk: #test-and-set 7918102 #acquire() 1209
lock: proc: #test-and-set 1396813 #acquire() 141094
lock: proc: #test-and-set 1288500 #acquire() 141095
lock: proc: #test-and-set 1248546 #acquire() 141094
lock: proc: #test-and-set 1195451 #acquire() 141094
tot= 0
test0: OK
start test1
test1 OK
```