

1:

```
5 comm="apparmor_parser"
[ 206.955947] dummy: loading out-of-tree module taints kernel.
[ 206.955953] dummy: module verification failed: signature and/or required key missing - tainting kernel
[ 206.957001] CPMOD: init
leomotors@os-activity-help-v2:~/os$

leomotors@os-activity-help-v2:~/os$ sudo lsmod | grep dummy
dummy                  12288  0
leomotors@os-activity-help-v2:~/os$

ace" profile="unconfined" name="/usr/lib/snapd/snap-confine//mount-namespaces-capture-helper" pid=942
5 comm="apparmor_parser"
[ 206.955947] dummy: loading out-of-tree module taints kernel.
[ 206.955953] dummy: module verification failed: signature and/or required key missing - tainting kernel
[ 206.957001] CPMOD: init
[ 269.694637] CPMOD: cleanup
leomotors@os-activity-help-v2:~/os$
```

2:

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[ 269.694637] CPMOD: cleanup
[ 298.024821] CPCHAR: dev osinfo init
[ 298.024827] Device MajorNumber 238.
[ 298.024829] To create a device file:
[ 298.024830] mknod /dev/osinfo c 238 0
leomotors@os-activity-help-v2:~/os$ |

leomotors@os-activity-help-v2:~/os$ cat /dev/osinfo
0:CP ENG CU OS 2022S2 - Instructors
1:      Veera Muangsin, Ph.D.
2:      Krerk Piromsopa, Ph.D.
3:      Thongchai Rojkangsadan
leomotors@os-activity-help-v2:~/os$ |
```

3:

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[ 442.543269] CPCHAR: dev osinfo cleanup
[ 446.118266] CPCHAR: dev osinfo init
[ 446.118272] Device MajorNumber 238.
[ 446.118274] To create device files:
[ 446.118275] mknod /dev/osinfo c 238 0
[ 446.118277] mknod /dev/osinfo1 c 238 1
leomotors@os-activity-help-v2:~/os$ |
```

Chotpisit Adunsehawat 6531313221  
Chanatip Pattanapen 6532040021  
Nutthapat Pongtanyavichai 6532068721

```
leomotors@os-activity-help-v2:~/os$ ls -al /dev/osinfo*
crw-r--r-- 1 root root 238, 0 Apr  8 16:53 /dev/osinfo
crw-r--r-- 1 root root 238, 1 Apr  8 16:56 /dev/osinfo1
leomotors@os-activity-help-v2:~/os$ cat /dev/osinfo
0:CP ENG CU OS 2022S2 - Instructors
1:      Veera Muangsin, Ph.D.
2:      Krerk Piromsopa, Ph.D.
3:      Thongchai Rojkangsadan
leomotors@os-activity-help-v2:~/os$ cat /dev/osinfo1
0:CP ENG CU OS 2022S2 - Students, Group Name: นี่ไว้ ผมเคยเขียนภาษานี้มาก่อน
1:      6531313221 Chotpisit Adunsehawat
2:      6532040021 Chanatip Pattanapen
3:      6532068721 Nutthapat Pongtanyavichai
leomotors@os-activity-help-v2:~/os$
```

4:

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[ 334.997082] dev mknod 0
[ 442.543269] CPCHAR: dev osinfo cleanup
[ 446.118266] CPCHAR: dev osinfo init
[ 446.118272] Device MajorNumber 238.
[ 446.118274] To create device files:
[ 446.118275] mknod /dev/osinfo c 238 0
[ 446.118277] mknod /dev/osinfo1 c 238 1
[ 484.424279] dev minor 1
[ 500.018599] dev minor 0
[ 514.820813] dev minor 0
[ 516.094307] dev minor 1
[ 597.948214] CPUInfo module loaded with major number 237
[ 597.948218] To create device: mknod /dev/cpuinfo c 237 0
leomotors@os-activity-help-v2:~/os$ |
```

```
leomotors@os-activity-help-v2:~/os$ sudo mknod /dev/cpuinfo c 237 0
leomotors@os-activity-help-v2:~/os$ cat /dev/cpuinfo
Vendor ID: AuthenticAMD
Stepping: 1
Model: 1
Family: 15
Processor Type: 0
Extended Model: 0
Extended Family: 10
Serial Number: 0x0000000000000000
leomotors@os-activity-help-v2:~/os$
```

5:

```
cat: /dev/cp-psinfo: No such file or directory
leomotors@os-activity-help-v2:~/os$ cat /dev/cp-psinfo
1,systemd
2,kthreadd
3,pool_workqueue_
4,kworker/R-rcu_g
5,kworker/R-rcu_p
6,kworker/R-slub_
7,kworker/R-netns
8,kworker/0:0
9,kworker/0:0H
11,kworker/u8:0
12,kworker/R-mm_pe
13,rcu_tasks_rude_
14,rcu_tasks_trace
15,ksoftirqd/0
16,rcu_sched
17,migration/0
18,idle_inject/0
19,cpuhp/0
20,cpuhp/2
21,idle_inject/2
22,migration/2
23,ksoftirqd/2
24,kworker/2:0
```

```
[ 597.948218] To create device: mknod /dev/cpuinfo c 237 0
[ 671.631530] cpsysinfo: loaded with major number 236
[ 671.631535] Create device with: mknod /dev/cp-psinfo c 236 0
leomotors@os-activity-help-v2:~/os$
```

6:

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[ 738.150300] cpsysinfo: open called, minor=0
[ 778.312169] cpsysinfo: unloaded
[ 779.574422] cpsysinfo: loaded with major number 236
[ 779.574426] To create devices:
[ 779.574427]   mknod /dev/cp-psinfo c 236 0
[ 779.574429]   mknod /dev/cp-meminfo c 236 1
leomotors@os-activity-help-v2:~/os$ |
```

```
leomotors@os-activity-help-v2:~/os$ cat /dev/cp-meminfo
MemTotal: 8127856 kB
MemFree: 4604912 kB
MemAvailable: 4604912 kB
leomotors@os-activity-help-v2:~/os$ |
```