Check Point #1

```
wagyu@debiansan:~/os/activity-12-kernal$ sudo insmod dummy.ko
wagyu@debiansan:~/os/activity-12-kernal$ sudo lsmod | grep dummy
dummy                  16384  0
wagyu@debiansan:~/os/activity-12-kernal$ sudo rmmod dummy.ko
wagyu@debiansan:~/os/activity-12-kernal$ sudo lsmod | grep dummy
wagyu@debiansan:~/os/activity-12-kernal$ 
```

Check Point #2

```
[ 1994.793266] CPCHAR: dev osinfo init
[ 1994.793308] Device MajorNumber 235.
[ 1994.793310] To create a device file:
[ 1994.793311]   'mknod /dev/osinfo c 235 0'.
[ 1994.793688] Try varying minor numbers.
[ 1994.793689] Please remove the device file and module when done.
[ 2207.849926] dev minor 0
wagyu@debiansan:~/os/activity-12-kernal/osinfo$ sudo mknod /dev/osinfo c 235 0
mknod: /dev/osinfo: File exists
wagyu@debiansan:~/os/activity-12-kernal/osinfo$ cat /dev/osinfo
0:CP ENG CU OS 2022S2 – Instructors
1:      Veera Muangsin, Ph.D.
2 :     Krerk Piromsopa, Ph.D.
3 :     Thongchai Rojkangsadan
```

Check Point #3

```
wagyu@debiansan:~/os/activity-12-kernal/osinfo$ ls -la /dev/osinfo*
crw-r--r-- 1 root root 235, 0 Apr  9 11:02 /dev/osinfo
crw-r--r-- 1 root root 235, 1 Apr  9 11:22 /dev/osinfo1
wagyu@debiansan:~/os/activity-12-kernal/osinfo$ cat /dev/osinfo
0:CP ENG CU OS 2021S1 – Instructors
1:      Veera Muangsin, Ph.D.
2:      Krerk Piromsopa, Ph.D.
3:      Thongchai Rojkangsadan
wagyu@debiansan:~/os/activity-12-kernal/osinfo$ cat /dev/osinfo1
0:CP ENG CU OS 2022S2 – Students, Group Name: wget
1:      6430001121 Kanawat Vilasri
2 :     6430038421 Jakrin Sukonpongpao
3 :     6430009221 Krittapas Rungsimontuchat
```

Check Point #4

```
root@taboo:/home/wagyu/os# cat /dev/cpuinfo
Vendor ID GenuineIntel
stepping 3
model 14
family 6
processor type 0
extended model 5
extended family 0
serial number 0x0000000000000000
```

* serial number = 0 could possibly cause by using VM (UTM on Apple M1)

Check Point #5

```
wagyu@debiansan:~/os/activity-12-kernal/cpsysinfo$ cat /dev/cp-psinfo
1,systemd
2,kthreadd
3,rcu_gp
4,rcu_par_gp
5,slub_flushwq
6,netns
8,kworker/0:0H
10,mm_percpu_wq
11,rcu_tasks_rude_
12,rcu_tasks_trace
13,ksoftirqd/0
14,rcu_sched
15,migration/0
16,kworker/0:1
17,cpuhp/0
18,cpuhp/1
19,migration/1
20,ksoftirqd/1
22,kworker/1:0H
23,cpuhp/2
24,migration/2
25,ksoftirqd/2
27,kworker/2:0H
28,cpuhp/3
29,migration/3
30,ksoftirqd/3
32,kworker/3:0H
34,kdevtmpfs
35,inet_frag_wq
36,kauditd
37,khungtaskd
38,oom_reaper
40,writeback
41,kcompactd0
42,ksmd
43,kworker/3:1
44,khugepaged
45,kintegrityd
46,kblockd
47,blkcg_punt_bio
49,tpm_dev_wq
50,edac-poller
51,devfreq_wq
52,watchdogd
53,kworker/3:1H
54,kswapd0
61,kthrotld
63,irq/49-ACPI:Ged
64,acpi_thermal_pm
65,mld
66,kworker/2:1H
67,ipv6_addrconf
72,kstrp
77,zswap-shrink
78,kworker/u9:0
122,kworker/1:1
123,kworker/0:1H
138,kworker/1:1H
168,kworker/3:2
191,jbd2/vda2-8
192,ext4-rsv-conver
203,hwrng
232,systemd-journal
262,systemd-udevd
```

Check Point #6

```
wagyu@debiansan:~/os/activity-12-kernal/cpsysinfo$ cat /dev/cp-meminfo
MemTotal: 1004026 kB
MemFree: 762351 kB
MemAvailable: 849247 kB
```

```
wagyu@debiansan:~/os/activity-12-kernal/cpsysinfo$ cat /dev/cp-meminfo
MemTotal: 1004026 kB
MemFree: 762351 kB
MemAvailable: 849247 kB
```