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# Practical no.-10



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vnct8x@kbp-1: ~                                                          ↑↓ En ◄)) 4:18 PM
guest-vnct8x@kbp-1:~$ uname -r
4.15.0-142-generic
guest-vnct8x@kbp-1:~$ lsmod
Module                  Size  Used by
input_leds              16384  0
snd_hda_codec_hdmi      49152  1
snd_hda_codec_realtek  106496  1
snd_hda_codec_generic   73728  1 snd_hda_codec_realtek
snd_hda_intel           45056  10
snd_hda_codec          126976  4 snd_hda_codec_generic,snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec_realtek
snd_hda_core            81920  5 snd_hda_codec_generic,snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec,snd_hda_codec_realtek
snd_hwdep               20480  1 snd_hda_codec
snd_pcm                 98304  4 snd_hda_codec_hdmi,snd_hda_intel,snd_hda_codec,snd_hda_core
snd_seq_midi            16384  0
snd_seq_midi_event      16384  1 snd_seq_midi
dcdbas                  16384  0
snd_rawmidi             32768  1 snd_seq_midi
intel_rapl              20480  0
x86_pkg_temp_thermal    16384  0
intel_powerclamp        16384  0
coretemp                16384  0
snd_seq                 65536  2 snd_seq_midi,snd_seq_midi_event
snd_seq_device          16384  3 snd_seq,snd_seq_midi,snd_rawmidi
kvm_intel              217088  0
kvm                    614400  1 kvm_intel
irqbypass               16384  1 kvm
crct10dif_pclmul        16384  0
crc32_pclmul            16384  0
ghash_clmulni_intel     16384  0
pcbc                    16384  0
aesni_intel            188416  0
aes_x86_64              20480  1 aesni_intel
crypto_simd             16384  1 aesni_intel
glue_helper             16384  1 aesni_intel
cryptd                  24576  3 crypto_simd,ghash_clmulni_intel,aesni_intel
intel_cstate            20480  0
intel_rapl_perf         16384  0
snd_timer               32768  2 snd_seq,snd_pcm
lpc_ich                 24576  0
snd                     81920  31 snd_hda_codec_generic,snd_seq,snd_seq_device,snd_hda_codec_hdmi,snd_hwdep,snd_hda_intel,snd_hda_codec,snd_hda
codec_realtek,snd_timer,snd_pcm,snd_rawmidi
mei_me                  40960  0
shpchp                  36864  0
```



```
vnct8x@kbp-1: ~
guest-vnct8x@kbp-1:~$ free -m
              total        used        free      shared  buff/cache   available
Mem:           7895        1922        4224         682        1748        4985
Swap:           974           0         974
guest-vnct8x@kbp-1:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
udev            3.9G     0  3.9G   0% /dev
tmpfs           790M   37M  753M   5% /run
/dev/sda1       458G  6.8G  428G   2% /
tmpfs           3.9G  392K  3.9G   1% /dev/shm
tmpfs           5.0M  4.0K  5.0M   1% /run/lock
tmpfs           3.9G     0  3.9G   0% /sys/fs/cgroup
tmpfs           790M   76K  790M   1% /run/user/1000
none            3.9G  189M  3.7G   5% /tmp/guest-vnct8x
tmpfs           790M  100K  790M   1% /run/user/970
guest-vnct8x@kbp-1:~$ vmstat
procs -----------memory---------- ---swap-- -----io---- -system-- ------cpu-----
 r  b   swpd   free   buff  cache   si   so    bi    bo   in   cs us sy id wa st
 0  0      0 4242416 106144 1690728    0    0   229    75  280  965  7  1 88  4  0
guest-vnct8x@kbp-1:~$
```

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