

identify the current USB devices

```
radwa@radwa-VirtualBox:~$ lsusb
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 002 Device 002: ID 80ee:0021 VirtualBox USB Tablet
Bus 002 Device 001: ID 1d6b:0001 Linux Foundation 1.1 root hub
```

Cpu cores count

```
radwa@radwa-VirtualBox:~$ nproc
1
```

Take a snapshot of current disk statistics 5 times with 2 seconds interval

```
radwa@radwa-VirtualBox:~$ iostat -d 2 5
Linux 5.19.0-35-generic (radwa-VirtualBox)      01 2023 أيار,   _x86_64_ (1 CPU)

Device            tps    kB_read/s    kB_wrtn/s    kB_dscd/s    kB_read    kB_wrtn    kB_dscd
loop0              0.10         0.12         0.00         0.00         17         0         0
loop1              0.36        21.61         0.00         0.00        362         0         0
loop10             1.38        11.28         0.00         0.00       1585         0         0
loop11             0.31         2.52         0.00         0.00        350         0         0
loop12             0.35         2.61         0.00         0.00        362         0         0
loop13             0.31         2.51         0.00         0.00        348         0         0
loop14             4.77       166.31         0.00         0.00     23076         0         0
loop15             0.22         2.03         0.00         0.00        201         0         0
loop16             0.14         0.39         0.00         0.00         54         0         0
loop17             0.08         0.10         0.00         0.00         14         0         0
loop2              0.32         2.52         0.00         0.00        349         0         0
loop3              0.33         2.52         0.00         0.00        349         0         0
```

measure the network activities using (hint: nicstat)

```
radwa@radwa-VirtualBox:~$ nicstat -z -t -n -i enp0s3
11:12:55   InKB   OutKB   InSeg   OutSeg  Reset   AttF %ReTX  InConn  OutCon  Drops
TCP         0.00    0.00    1.57    1.44   0.01   0.01 0.000    0.00    0.02   0.00
```

List current PCI devices on your device (hint: lspci)

```
radwa@radwa-VirtualBox:~$ sudo grep -e "0x" /var/log/syslog
[sudo] password for radwa:
Mar  4 12:36:22 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (==) Max clients allowed: 250, resource mask: 0xffffffff
Mar  4 12:36:22 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) Loader magic: 0x5027098dc020
Mar  4 12:36:22 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (--) PCI:*(000:2:0) 15ad:0405:15ad:0405 rev 0, Mem @ 0xe0000000/16777216, 0
x00000000/2097152, I/O @ 0x00000000/16, BIOS @ 0x????????/131072
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "2560x1600"x60.0 348.50 2560 2752 3032 3504 160
0 1603 1609 1650 -hsync +vsync (99.5 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "2560x1440"x60.0 241.50 2560 2608 2648 2720 144
0 1443 1448 1481 +hsync -vsync (88.0 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "1920x1440"x60.0 234.00 1920 2048 2256 2608 144
0 1441 1444 1500 -hsync +vsync (90.0 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "1920x1200"x59.9 193.25 1920 2056 2256 2592 120
0 1203 1209 1245 -hsync +vsync (74.6 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "1920x1080"x60.0 173.00 1920 2048 2248 2576 108
0 1083 1088 1120 -hsync +vsync (67.2 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "1600x1200"x60.0 162.00 1600 1664 1856 2160 120
0 1201 1204 1250 +hsync +vsync (75.0 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "1600x1050"x60.0 146.25 1600 1704 1960 2240 105
0 1053 1057 1089 -hsync +vsync (65.3 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "1400x1050"x60.0 121.75 1400 1488 1632 1864 105
0 1053 1057 1089 -hsync +vsync (65.3 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "1280x1024"x60.0 108.00 1280 1328 1448 1688 102
4 1025 1028 1066 +hsync +vsync (64.0 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "1440x900"x59.9 186.50 1440 1520 1672 1984 900
903 909 934 -hsync +vsync (55.9 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "1280x960"x60.0 108.00 1280 1376 1488 1800 960
961 964 1000 +hsync +vsync (60.0 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "1360x768"x60.0 85.50 1360 1424 1536 1792 768
771 777 795 +hsync +vsync (47.7 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1302]: (II) vmware(0): Modeline "1280x800"x59.8 83.50 1280 1352 1480 1680 800
803 809 834 -hsync -vsync (49.7 kHz e)
```

List all files which are compressed by ZIP utilities

```
radwa@radwa-VirtualBox:~$ sudo find / -name '*.zip'
/usr/share/libreoffice/share/config/images_breeze_dark.zip
/usr/share/libreoffice/share/config/images_breeze_dark_svg.zip
/usr/share/libreoffice/share/config/images_breeze_svg.zip
/usr/share/libreoffice/share/config/images_breeze.zip
/usr/share/libreoffice/share/config/images_helpimg.zip
/usr/share/libreoffice/share/config/images_colibre.zip
/usr/share/libreoffice/share/config/images_elementary_svg.zip
/usr/share/libreoffice/share/config/images_yaru.zip
/usr/share/libreoffice/share/config/images_yaru_svg.zip
/usr/share/libreoffice/share/config/images_yaru_mate_svg.zip
/usr/share/libreoffice/share/config/images_elementary.zip
/usr/share/libreoffice/share/config/images_yaru_mate.zip
/usr/lib/libreoffice/share/config/images_breeze_dark.zip
/usr/lib/libreoffice/share/config/images_breeze_dark_svg.zip
/usr/lib/libreoffice/share/config/images_breeze_svg.zip
/usr/lib/libreoffice/share/config/images_breeze.zip
/usr/lib/libreoffice/share/config/images_helpimg.zip
/usr/lib/libreoffice/share/config/images_colibre.zip
/usr/lib/libreoffice/share/config/images_elementary_svg.zip
/usr/lib/libreoffice/share/config/images_yaru.zip
/usr/lib/libreoffice/share/config/images_yaru_svg.zip
/usr/lib/libreoffice/share/config/images_yaru_mate_svg.zip
/usr/lib/libreoffice/share/config/images_elementary.zip
/usr/lib/libreoffice/share/config/wizard/web/buttons/round-white.zip
```