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 ابر     _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         2.61         0.00         0.00        362          0          0
loop10           1.38        11.28         0.50         0.00       1565          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        281          0          0
loop16           0.14         0.39         0.00         0.00         54          0          0
loop17           0.01         0.10         0.00         0.00         14          0          0
loop2            0.32         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:~$ lspci
00:00.0 Host bridge: Intel Corporation 440FX - 82441FX PMC [Natoma] (rev 02)
00:01.0 ISA bridge: Intel Corporation 82371SB PIIX3 ISA [Natoma/Triton II]
00:01.1 IDE interface: Intel Corporation 82371AB/EB/MB PIIX4 IDE (rev 01)
00:02.0 VGA compatible controller: VMware SVGA II Adapter
00:03.0 Ethernet controller: Intel Corporation 82540EM Gigabit Ethernet Controller (rev 02)
00:04.0 System peripheral: InnoTek Systemberatung GmbH VirtualBox Guest Service
00:05.0 Multimedia audio controller: Intel Corporation 82801AA AC'97 Audio Controller (rev 01)
00:06.0 USB controller: Apple Inc. KeyLargo/Intrepid USB
00:07.0 Bridge: Intel Corporation 82371AB/EB/MB PIIX4 ACPI (rev 08)
00:0b.0 USB controller: Intel Corporation 82801FB/FBM/FR/FW/FRW (ICH6 Family) USB2 EHCI Controller
00:0d.0 SATA controller: Intel Corporation 82801HM/HEM (ICH8M/ICH8M-E) SATA Controller [AHCI mode] (rev 02)
radwa@radwa-VirtualBox:~$
```

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
```

Using grep and regex list all lines containing hex numbers on a /var/log/syslog

```
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[1382]: (==) Max clients allowed: 256, resource mask: 0x1fffff
Mar  4 12:36:22 radwa-VirtualBox /usr/libexec/gdm-x-session[1382]: (II) Loader magic: 0x5627698dc020
Mar  4 12:36:22 radwa-VirtualBox /usr/libexec/gdm-x-session[1382]: (--) PCI:*(0@0:2:0) 15ad:0405:15ad:0405 rev 0, Mem @ 0xe0000800/16777216, 0
xf0000800/2097152, I/O @ 0x8000d010/16, BIOS @ 0x???????/131072
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1382]: (II) vmware(0): Modeline "2560x1600"x60.0  348.50  2560 2752 3032 3504  160
0 1603 1609 1658 -hsync +vsync (99.5 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1382]: (II) vmware(0): Modeline "2560x1440"x60.0  241.50  2560 2608 2640 2720  144
0 1443 1448 1481 +hsync -vsync (88.8 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1382]: (II) vmware(0): Modeline "1920x1440"x60.0  234.00  1920 2048 2256 2600  144
0 1441 1444 1500 -hsync +vsync (90.8 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1382]: (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[1382]: (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[1382]: (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[1382]: (II) vmware(0): Modeline "1680x1050"x60.0  146.25  1680 1784 1960 2240  105
0 1053 1059 1089 -hsync +vsync (65.3 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1382]: (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[1382]: (II) vmware(0): Modeline "1280x1024"x60.0  108.00  1280 1328 1440 1688  102
4 1025 1028 1066 +hsync +vsync (64.0 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1382]: (II) vmware(0): Modeline "1440x900"x59.9  106.50  1440 1520 1672 1904  900
903 909 934 -hsync +vsync (55.9 kHz e)
Mar  4 12:36:23 radwa-VirtualBox /usr/libexec/gdm-x-session[1382]: (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[1382]: (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[1382]: (II) vmware(0): Modeline "1280x800"x59.8   83.50  1280 1352 1480 1680  800
803 809 831 +hsync -vsync (49.7 kHz e)
```