1- Identify the current USB devices (hint.: lsusb)

```
vboxuser@ubonto:~$ 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
vboxuser@ubonto:~$
```

2- Count how many CPUs (cores) on your device. (hint:

/proc/cpuinfo)

```
vboxuser@ubonto:~$ grep -c ^processor /proc/cpuinfo
1
vboxuser@ubonto:~$
```

3- Take a snapshot of current disk statistics 5 times with 2 seconds interval. (hint: iostat)

Linux 5.15.0-69-generic (ubonto)			04/01/2023	_x86_64_		(1 CPU)	
evice _dscd	tps	kB_read/s	kB_wrtn/s	kB_dscd/s	kB_read	kB_wrtn	kB
00p0 0	0.02	0.02			17		
00p1 0	0.05	0.53			476		
oop10 0	0.05	0.53			476		
00p11	0.05	0.53			476		
00p12	1.12	12.66			11319		
00p13	1.49	55.37			49484		
00p14	0.11	2.60			2321		
00p2	0.06	0.55			490		
00p3	0.05	0.53			476		
00p4 0	0.65	7.25			6482		
0 0	0.06	1.34			1199		
0 0 0	0.07	1.35			1203		
0 00p7 0	1.62	16.74			14962		
oop8	0.05	0.53			476		
0 00p9	2.00	6.17	0.00	0.00	5517	Θ	

4- measure the network activities using (hint: nicstat)

```
vboxuser@ubonto:~$ nicstat
                           wKB/s
                                           wPk/s
                                                            wAvs %Util
             Int
                   rKB/s
                                   rPk/s
   Time
                                                    rAvs
                                                                          Sat
                                                                         0.00
14:53:53
              lo
                    0.02
                            0.02
                                    0.20
                                            0.20
                                                   90.09
                                                           90.09 0.00
14:53:53 enp0s3
                   48.78
                            0.41
                                   34.51
                                            6.15 1447.3
                                                           68.68 0.04
                                                                         0.00
```

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

```
vboxuser@ubonto:~$ lspci -vmm
Slot:
        00:00.0
Class: Host bridge
Vendor: Intel Corporation
Device: 440FX - 82441FX PMC [Natoma]
Rev:
Slot:
        00:01.0
Class: ISA bridge
Vendor: Intel Corporation
Device: 82371SB PIIX3 ISA [Natoma/Triton II]
Slot:
       00:01.1
Class: IDE interface
Vendor: Intel Corporation
Device: 82371AB/EB/MB PIIX4 IDE
ProgIf: 8a
Slot:
        00:02.0
Class: VGA compatible controller
Vendor: VMware
Device: SVGA II Adapter
SVendor:
                VMware
SDevice:
                SVGA II Adapter
Slot: 00:03.0
Class: Ethernet controller
Vendor: Intel Corporation
Device: 82540EM Gigabit Ethernet Controller
SVendor:
                Intel Corporation
SDevice:
                PRO/1000 MT Desktop Adapter
```

6- List all files which are compressed by ZIP utilities

```
vboxuser@ubonto:~$ ls | grep "*\.zip"
```

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

```
vboxuser@ubonto:~$ sudo grep "0x[0-9A-Z]" /var/log/syslog
Apr 1 14:31:22 ubonto NetworkManager[576]: <info> [1680352282.7857] dns-mgr[0x558958f6d
290]: init: dns=systemd-resolved rc-manager=symlink, plugin=systemd-resolved
Apr 1 14:31:22 ubonto NetworkManager[576]: <info> [1680352282.7860] manager[0x558958f84
030]: rfkill: Wi-Fi hardware radio set enabled
Apr 1 14:31:22 ubonto NetworkManager[576]: <info> [1680352282.7860] manager[0x558958f84
030]: rfkill: WWAN hardware radio set enabled
Apr 1 14:31:42 ubonto /usr/lib/gdm3/gdm-x-session[1414]: (==) Max clients allowed: 256,
resource mask: 0x1fffff
Apr 1 14:31:42 ubonto /usr/lib/gdm3/gdm-x-session[1414]: (II) Loader magic: 0x55fa2fffc0
20
Apr 1 14:31:42 ubonto /usr/lib/gdm3/gdm-x-session[1414]: (--) PCI:*(0@0:2:0) 15ad:0405:1
5ad:0405 rev 0, Mem @ 0xe0000000/16777216, 0xf0000000/2097152, I/O @ 0x0000d010/16, BIOS
```