```
root@debianlab:~# journalctl -f
 -- Logs begin at Wed 2021-04-14 10:33:25 CEST. --
Apr 14 10:37:31 debianlab org.gnome.Shell.desktop[940]: libinput error: client bug: timer event 4 debounce: offset negative (-12ms)
Apr 14 10:37:31 debianlab org.gnome.Shell.desktop[940]: libinput error: client bug: timer event
4 debounce short: offset negative (-26ms)
Apr 14 10:37:32 debianlab org.gnome.Shell.desktop[940]: libinput error: client bug: timer event
4 debounce short: offset negative (-4ms)
Apr 14 10:37:48 debianlab systemd[1]: systemd-hostnamed.service: Succeeded.

Apr 14 10:38:29 debianlab anacron[449]: Job `cron.daily' started

Apr 14 10:38:29 debianlab anacron[2386]: Updated timestamp for job `cron.daily' to 2021-04-14
Apr 14 10:38:29 debianlab cracklib[2406]: no dictionary update necessary.
Apr 14 10:38:30 debianlab anacron[449]: Job `cron.daily' terminated Apr 14 10:38:55 debianlab su[2468]: (to root) illia on pts/0
Apr 14 10:38:55 debianlab su[2468]: pam unix(su-l:session): session opened for user root by (ui
d=1000)
 root@debianlab:~# PATH="/sbin:$PATH"
 root@debianlab:~# command -v fdisk
 /sbin/fdisk
root@debianlab:~# fdisk -c -u -l /dev/sdb
Disk /dev/sdb: 14.4 GiB, 15502147584 bytes, 30277632 sectors
Disk model: DataTraveler 3.0
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: qpt
Disk identifier: F4A81DE7-5DAB-4CD5-8659-46DEED153E2F
Device
             Start
                            End Sectors Size Type
               2048 30275583 30273536 14.4G Microsoft basic data
/dev/sdb1
root@debianlab:~# fdisk -l /dev/sdb
Disk /dev/sdb: 14.4 GiB, 15502147584 bytes, 30277632 sectors
Disk model: DataTraveler 3.0
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: gpt
Disk identifier: F4A81DE7-5DAB-4CD5-8659-46DEED153E2F
Device
              Start
                                  Sectors Size Type
                            End
```

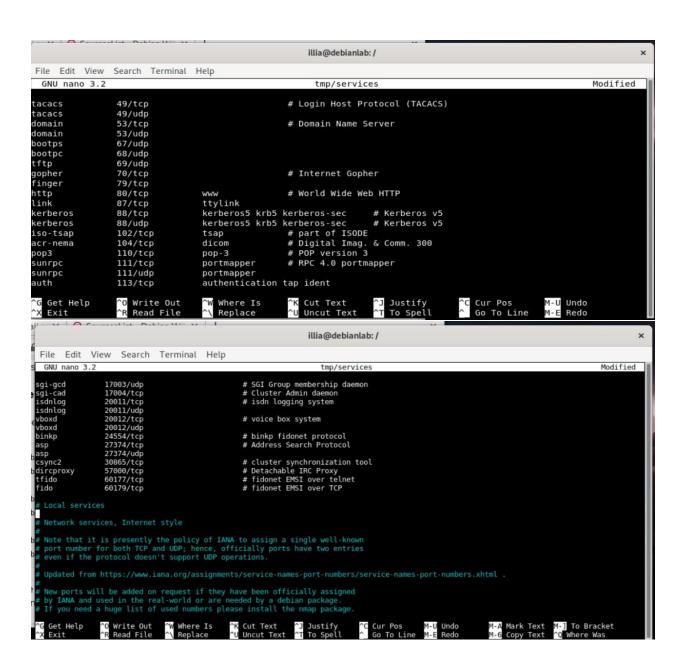
```
root@debianlab:~# fdisk /dev/sdb
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
Command (m for help): d
Command (m for help): w
The partition table has been altered.
Syncing disks.
root@debianlab:~# ^C
root@debianlab:~# partprobe /dev/sdb
rror: Partition(s) 1 on /dev/sdb have been written, but we have been unable to inform the kern
el of the change, probably because it/they are in use. As a result, the old partition(s) will
remain in use. You should reboot now before making further changes.
                                        illia@debianlab: ~
File Edit View Search Terminal Help
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
Command (m for help): n
Partition number (1-128, default 1): 1
First sector (34-30277598, default 2048):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (2048-30277598, default 30277598): +100M
Created a new partition 1 of type 'Linux filesystem' and of size 100 MiB.
Command (m for help): n
Partition number (2-128, default 2): 2
First sector (206848-30277598, default 206848):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (206848-30277598, default 30277598): +200M
Created a new partition 2 of type 'Linux filesystem' and of size 200 MiB.
Command (m for help): n
Partition number (3-128, default 3): 3
First sector (616448-30277598, default 616448):
Last sector, +/-sectors or +/-size{K,M,G,T,P} (616448-30277598, default 30277598): +500M
Created a new partition 3 of type 'Linux filesystem' and of size 500 MiB.
Command (m for help): t
Partition number (1-3, default 3): 2
Partition type (type L to list all types): 82
Changed type of partition 'Linux filesystem' to 'VMware Virtual SAN'.
Command (m for help): t
Partition number (1-3, default 3): 3
Partition type (type L to list all types): 8e
root@debianlab:~# partprobe /dev/sdc
root@debianlab:~# grep sdc /proc/partitions
     8
                   32
                            15138816 sdc
     8
                                102400 sdc1
                   33
                   34
                               204800 sdc2
     8
     8
                   35
                                512000 sdc3
```

```
root@debianlab:~# dd if=/dev/zero of=/dev/sdc1 bs=512 count=10000
10000+0 records in
10000+0 records out
5120000 bytes (5.1 MB, 4.9 MiB) copied, 13.426 s, 381 kB/s
root@debianlab:~# mkfs -t ext4 -L data /dev/sdc1
mke2fs 1.44.5 (15-Dec-2018)
Creating filesystem with 102400 lk blocks and 25688 inodes
Filesystem UUID: fdd435df-988b-443c-a3ee-e7d8c4e374ec
Superblock backups stored on blocks:
       8193, 24577, 40961, 57345, 73729
Allocating group tables: done
Writing inode tables: done
Creating journal (4096 blocks): done
Writing superblocks and filesystem accounting information: done
root@debianlab:~# mkdir /mnt/mypart
root@debianlab:~# mount -t ext4 /dev/sdc1 /mnt/mypart
root@debianlab.~#
Device
                     End Sectors
                                 Size Type
           Start
            2048 206847
/dev/sdb1
                          204800 100M Linux filesystem
/dev/sdb3 616448 1640447 1024000 500M Linux filesystem
Command (m for help): ^Z
[1]+ Stopped
                             fdisk /dev/sdb
root@debianlab:~# mkswap /dev/sdb2
Setting up swapspace version 1, size = 200 MiB (209711104 bytes)
no label, UUID=a69f140a-8730-4365-93ab-72f83a3b7241
root@debianlab:~# swapon /dev/sdb2
root@debianlab:~#
```

```
root@debianlab:~# pvcreate /dev/sdb3
 Physical volume "/dev/sdb3" successfully created.
root@debianlab:~# vgcreate abc /dev/sdb3
 Volume group "abc" successfully created
root@debianlab:~# lvcreate -n data -L 200M abc
 Logical volume "data" created.
root@debianlab:~# mkfs -t vfat /dev/mapper/abc-data
mkfs.fat 4.1 (2017-01-24)
root@debianlab:~# mkdir /mnt/test
root@debianlab:~# mount /dev/mapper/abc-data/mnt/test
mount: /dev/mapper/abc-data/mnt/test: can't find in /etc/fstab.
root@debianlab:~# mount /dev/mapper/abc-data /mnt/test
root@debianlab:~#
root@debianlab:~# umount /dev/sdb1
root@debianlab:~# umount /dev/sdb2
umount: /dev/sdb2: not mounted.
root@debianlab:~# swapoff /dev/sdb2
root@debianlab:~# umount /mnt/test
umount: /mnt/test: not mounted.
root@debianlab:~# lvremove /dev/mapper/abc-data
Do you really want to remove active logical volume abc/data? [y/n]: y
 Logical volume "data" successfully removed
root@debianlab:~# vgremove abc
 Volume group "abc" successfully removed
root@debianlab:~# pvremove /dev/sdb3
 Labels on physical volume "/dev/sdb3" successfully wiped.
```

```
illia@debianlab:~$ mkdir projects
illia@debianlab:~$ cd projects/
illia@debianlab:~/projects$ touch housel
illia@debianlab:~/projects$ touch house2
illia@debianlab:~/projects$ touch house3
illia@debianlab:~/projects$ touch house4
illia@debianlab:~/projects$ touch house5
illia@debianlab:~/projects$ touch house6
illia@debianlab:~/projects$ touch house7
illia@debianlab:~/projects$ touch house8
illia@debianlab:~/projects$ touch house9
illia@debianlab:~/projects$ ls
house1 house2 house3 house4 house5 house6 house7 house8 house9
illia@debianlab:~/projects$ ls house*
house1 house2 house3 house4 house5 house6 house7 house8 house9
illia@debianlab:~/projects$ ls house4
house4
illia@debianlab:~/projects$ ls house*
house1 house2 house3 house4 house5 house6 house7 house8 house9
illia@debianlab:~/projects$
illia@debianlab:-/projects$ mkdir $HOME/projects/houses/doors
mkdir: cannot create directory '/home/illia/projects/houses/doors': No such file or directory
illia@debianlab:~/projects$ cd ..
illia@debianlab:-$ mkdir $HOME/projects/houses/doors
mkdir: cannot create directory '/home/illia/projects/houses/doors': No such file or directory
illia@debianlab:-$ mkdire projects/houses
bash: mkdire: command not found
illia@debianlab:~$ mkdir projects/houses
illia@debianlab:~$ cd projects/houses
illia@debianlab:~/projects/houses$ ls
illia@debianlab:~/projects/houses$ mkdir doors
illia@debianlab:~/projects/houses$ ls
illia@debianlab:~/projects/houses$ cd doors
illia@debianlab:~/projects/houses/doors$ cd $HOME illia@debianlab:~$ ls
bin Desktop Documents Downloads Music Pictures projects Public Templates Videos
illia@debianlab:-$ touch projects/houses/bungalow.txt
illia@debianlab:-$ touch projects/houses/bifold.txt
illia@debianlab:~$ touch projects/houses/bungalow.txt
bin Desktop Documents Downloads Music Pictures projects Public Templates Videos
illia@debianlab:~$ touch projects/houses/bungalow.txt
illia@debianlab:~$ touch projects/houses/bifold.txt
illia@debianlab:~$ touch projects/houses/bungalow.txt
illia@debianlab:~$ touch projects/houses/doors/bifold.txt
illia@debianlab:~$ touch projects/outdoors/vegetation/landscape.txt
touch: cannot touch 'projects/outdoors/vegetation/landscape.txt': No such file or directory
illia@debianlab:-$ mkdir projects/outdoors
illia@debianlab:-$ mkdir projects/outdoors/vegetation
illia@debianlab:~$ touch projects/outdoors/vegetation/landscape.txt
illia@debianlab:~$ cp projects/house1 $HOME/projects/houses
illia@debianlab:~$ cp projects/house5 $HOME/projects/houses illia@debianlab:~$
```

```
illia@debianlab: /usr/share/doc/init
File Edit View Search Terminal Help
illia@debianlab:/usr/share/doc/init$ cp -R /usr/share/doc/init* $HOME/projects/
illia@debianlab:/usr/share/doc/init$ ls -R $HOME/projects
/home/illia/projects:
house1 house3 house5 house7 house9 init initramfs-tools-core
house2 house4 house6 house8 houses initramfs-tools init-system-helpers
/home/illia/projects/houses:
bifold.txt bungalow.txt doors housel house5
/home/illia/projects/houses/doors:
bifold.txt
/home/illia/projects/init:
           copyright
/home/illia/projects/initramfs-tools:
           copyright
/home/illia/projects/initramfs-tools-core:
           copyright examples
/home/illia/projects/initramfs-tools-core/examples:
example_hook example_script framebuffer modules
illia@debianlab:~/projects$ ls
housel house3 house5 house7 house9 init
                                        house8 houses initramfs-tools
house2
                           house6
             house4
illia@debianlab:~/projects$ rm -f house6 house7 house8
illia@debianlab:~/projects$
illia@debianlab:~/projects$ mv house3 $HOME/projects/houses/doors
illia@debianlab:~/projects$ mv house4 $HOME/projects/houses/doors
illia@debianlab:~/projects$
```



```
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Illia@debianlab;/$ ls
bin dev home initrd.img.old lib32 libx32 media opt root sbin sys usr vmlinuz
boot etc initrd.img lib lib64 lost=found mnt proc run srv wrinuz.old

Illia@debianlab; $ cp /etc/services /tmp

Illia@debianlab; $ nano tmp/services

Illia@debianlab; $ ex /tmp/services

Illia@debianlab; $ mkdir TEST

Illia@debianlab; $ mkdir TEST

Illia@debianlab; THEST$ touch one

Illia@debianlab; THEST$ touch thre

Illia@debianlab; THEST$ touch three

Illia@debianlab; THEST$ touch three

Illia@debianlab; THEST$ though 777 one

Illia@debianlab; THEST$ chmod 777 one

Illia@debianlab; THEST$ find

//two
//test//two
//test//three

Illia@debianlab; -/TEST$ cd ...

Illia
```