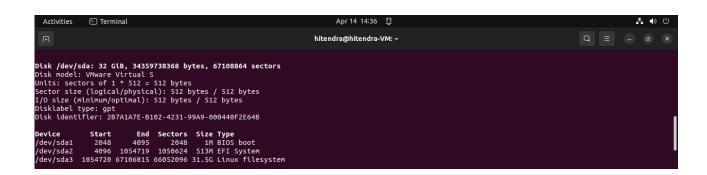
# **Disk partition**

To list all available disks on system.

#### lsblk

#### sudo fdisk -1

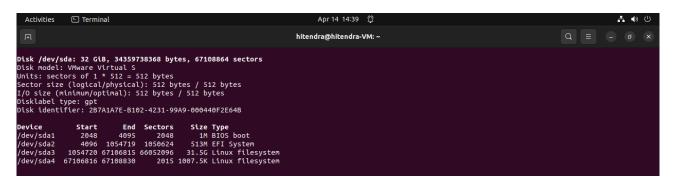




### To create partition in sda disk

```
Apr 14 14:37 💆
  Activities 🕒 Terminal
                                                                                                                                   hitendra@hitendra-VM: ~
nitendra@hitendra-VM:~$ sudo fdisk /dev/sda
Melcome to fdisk (util-linux 2.37.2).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
 command (m for help): m
Help:
          enter protective/hybrid MBR
  Generic
d delete a partition
F list free unpartitioned space
l list known partition types
n add a new partition
p print the partition table
t change a partition type
v verify the partition table
i print information about a partition
   Misc
    m print this menu
x extra functionality (experts only)
  Script
I load disk layout from sfdisk script file
O dump disk layout to sfdisk script file
   Save & Exit
w write table to disk and exit
q quit without saving changes
  Create a new label
g create a new empty GPT partition table
G create a new empty SGI (IRIX) partition table
o create a new empty DOS partition table
s create a new empty Sun partition table
Command (m for help): n
Partition number (4-128, default 4): 4
First sector (34-67108830, default 67106816):
Last sector, +/-sectors or +/-size{k,M,G,T,P} (67106816-67108830, default 67108830): '+1G'
Last sector, +/-sectors or +/-size{k,M,G,T,P} (67106816-67108830, default 67108830):
reated a new partition 4 of type 'Linux filesystem' and of size 1007.5 KiB.
Command (m for help): w
The partition table has been altered.
Syncing disks.
```

## To check list of disk again to see if partition is sucessful

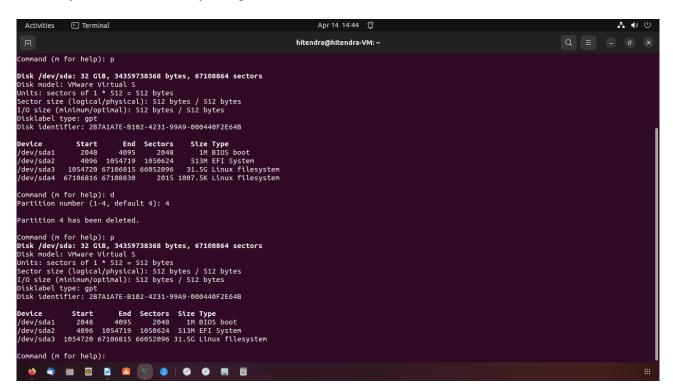


## To delete partition

### 1. select partition



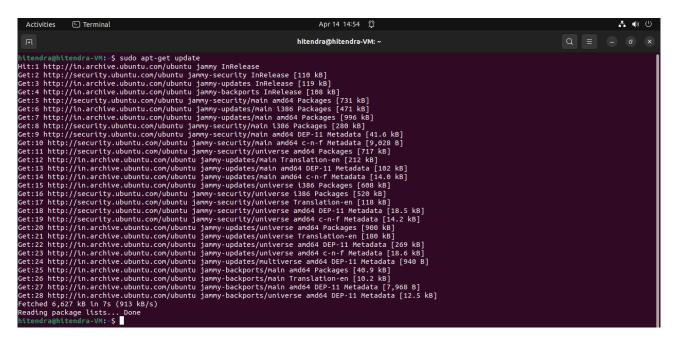
2. note down partitions using 'p' command. Use 'd' command to give delete reuest select partition number you want to delete by using number.



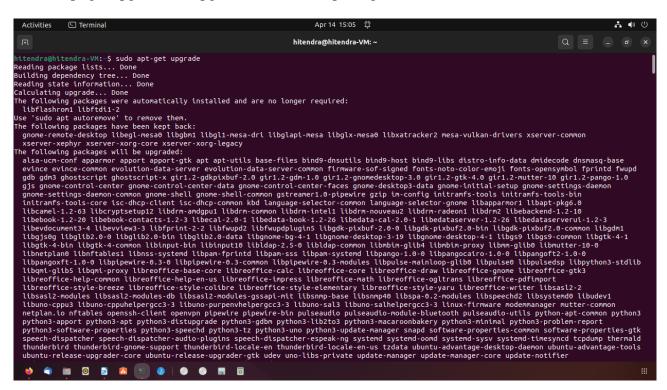
## Package management

apt-get: This is used to manage packages on Debian-based systems like Ubuntu. For Red Hat-based systems like CentOS 'yum' is used. We are having Ubuntu here so will go with apt-get.

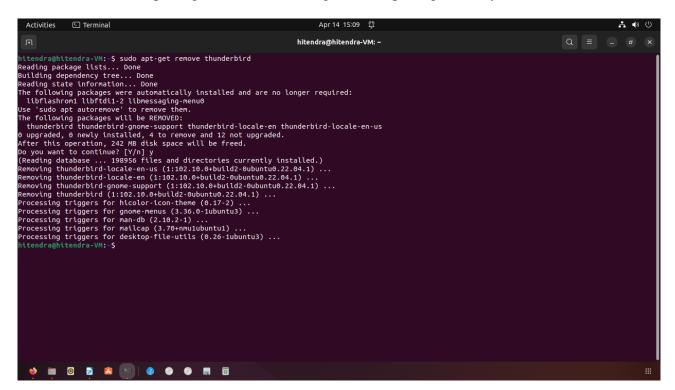
1. udo apt-get update: To update package index on your system to ensure you have the latest package information.



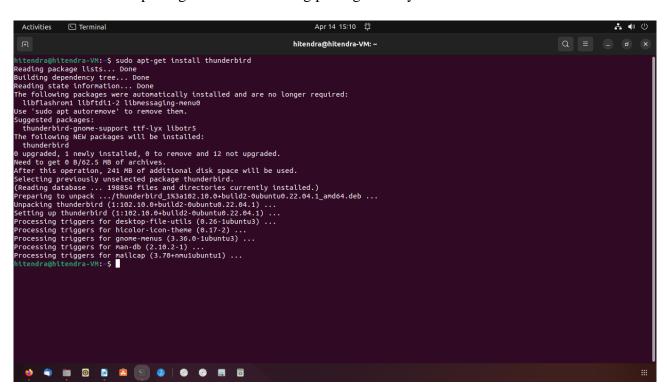
2. sudo apt-get upgrade: To upgrades all installed packages to the latest version.



3. sudo dnf remove <package-name>: Removing installed package from system.



4. sudo dnf install <package-name>: Installing package into system



## **Networking commands:**

### 1. iconfig

```
April 1529 ① hitendra@hitendra-VM: 5 toonfig

Command 'Lochfig' not found, but can be installed with:

bitendra@hitendra-VM: 5 toonfig

Command 'Lochfig' not found, but can be installed with:

bitendra@hitendra-VM: 5 suda apt install ipniutil

Reading package litsts... Done

Building dependency tree... Done

Reading package were automatically installed and are no longer required:

Litriasinonal Libriotia's Lithosasaging-menu0

The following packages were automatically installed and re no longer required:

Litriasinonal Libriotia's Lithosasaging-menu0

The following NEW packages will be installed:

'poblind

The following additional packages will be installed:

'poblind

The following NEW packages will be installed:

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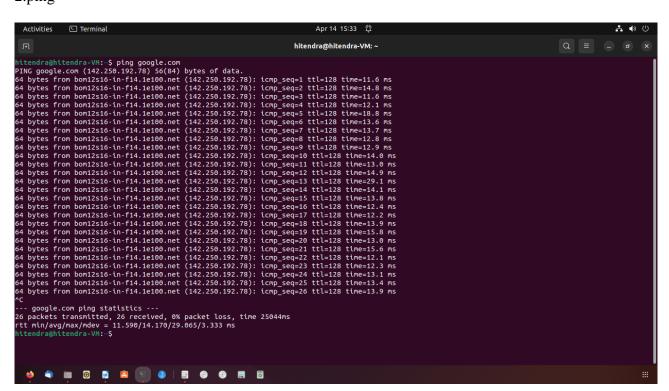
'poblind the following NEW packages will be installed:

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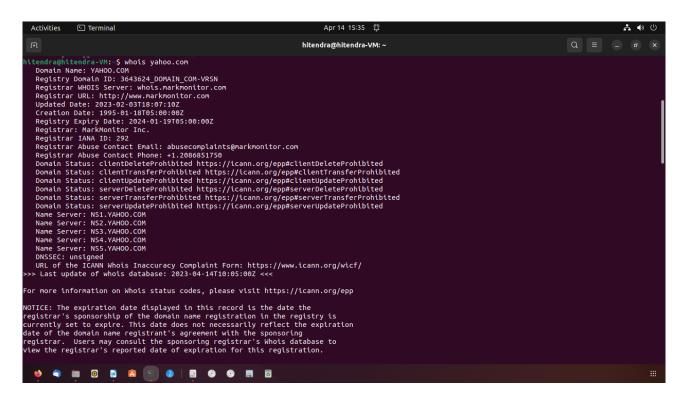
'poblind the following NEW packages will be installed:

'poblind the following NEW pac
```

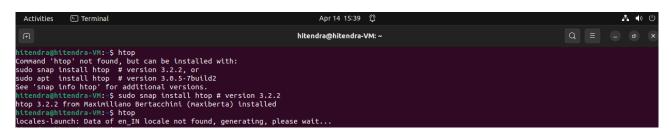
### 2.ping

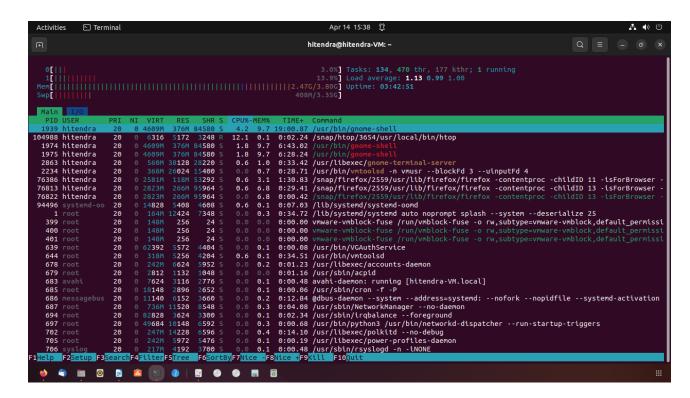


### 3. whois

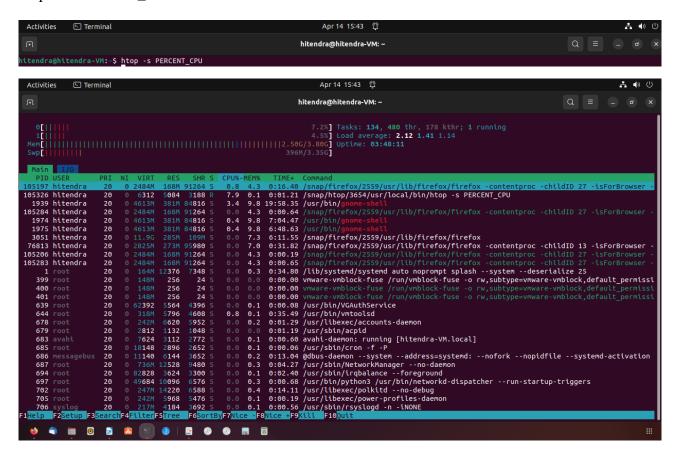


## htop commands

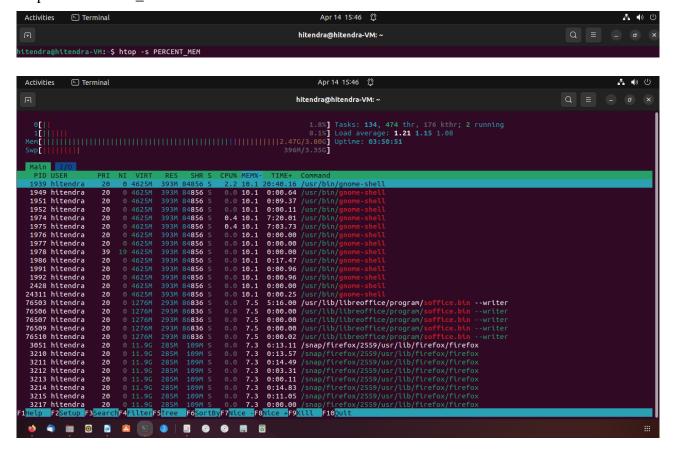




### htop -s PERCENT\_CPU

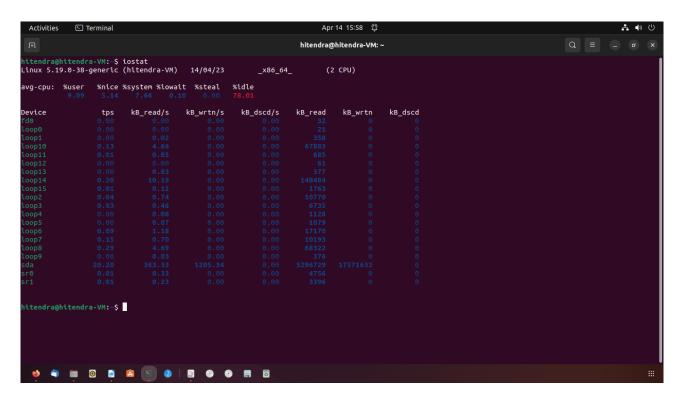


### htop -s PERCENT\_MEM

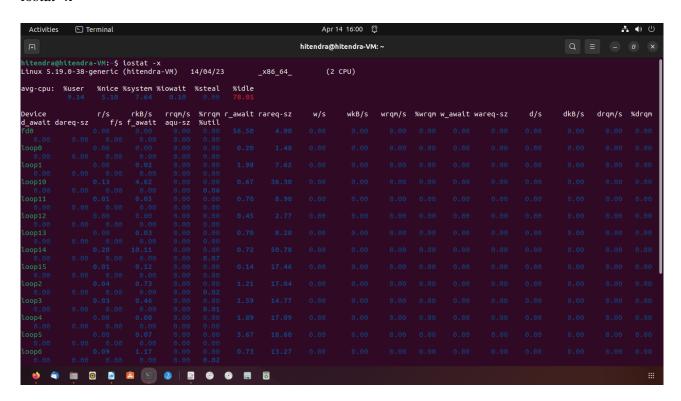


## iostat commands

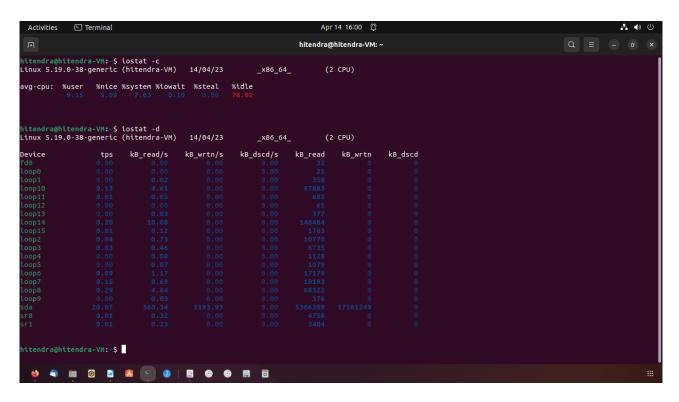
#### iostat



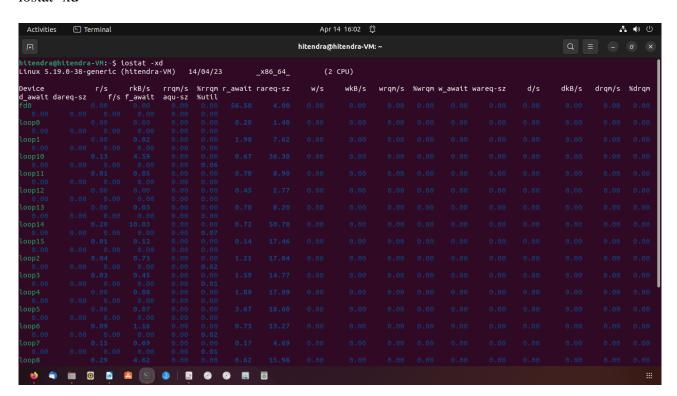
### iostat -x



### iostat -c and iostat-d



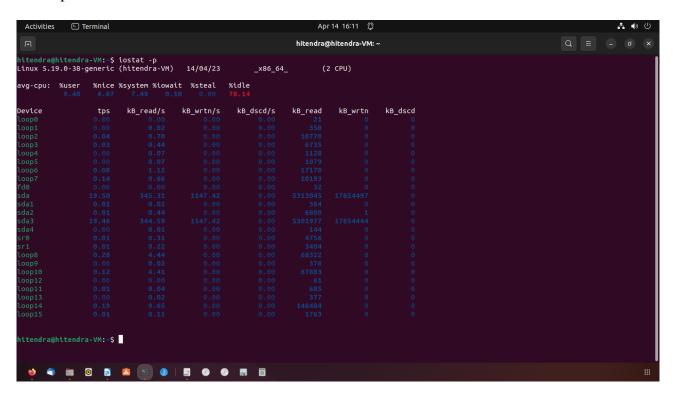
### iostat -xd



#### iostat -k

hitendra@hitendra-VM: ~									Q = -						
itendra@hitendra-VM:~\$ inux 5.19.0-38-generio				14/04/23	_x86_64_	_ (2 CPU)									
		%nice 5.03	%system %iowait 7.59 0.10		%idle 78.08										
vice		tps	kB_read/s	kB_wrtn/s	kB_dscd/s	kB_read	kB_wrtn	kB_dscd							
op11 op12															
op12															
op13															
op14															
op2															
op2															
pop4															
00p5															
00p6															

### iostat -p



### iostat -n