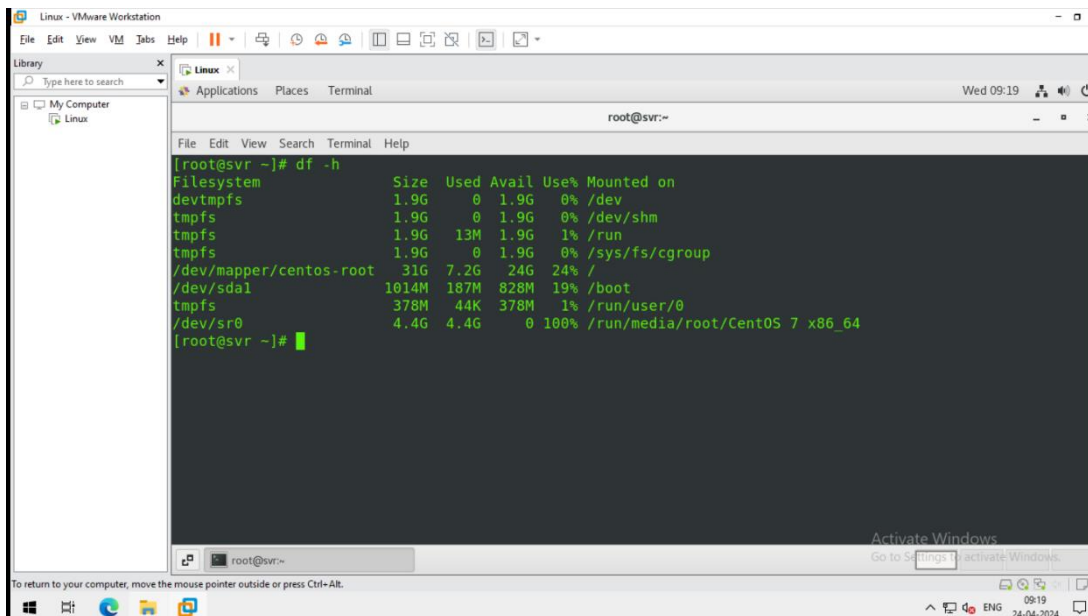


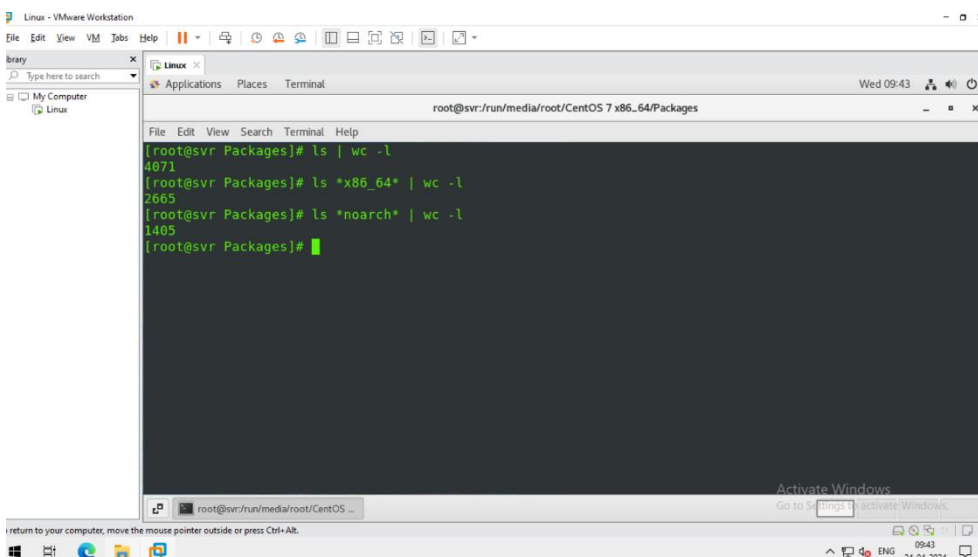
LINUX (DAY-4)

1. Mount files



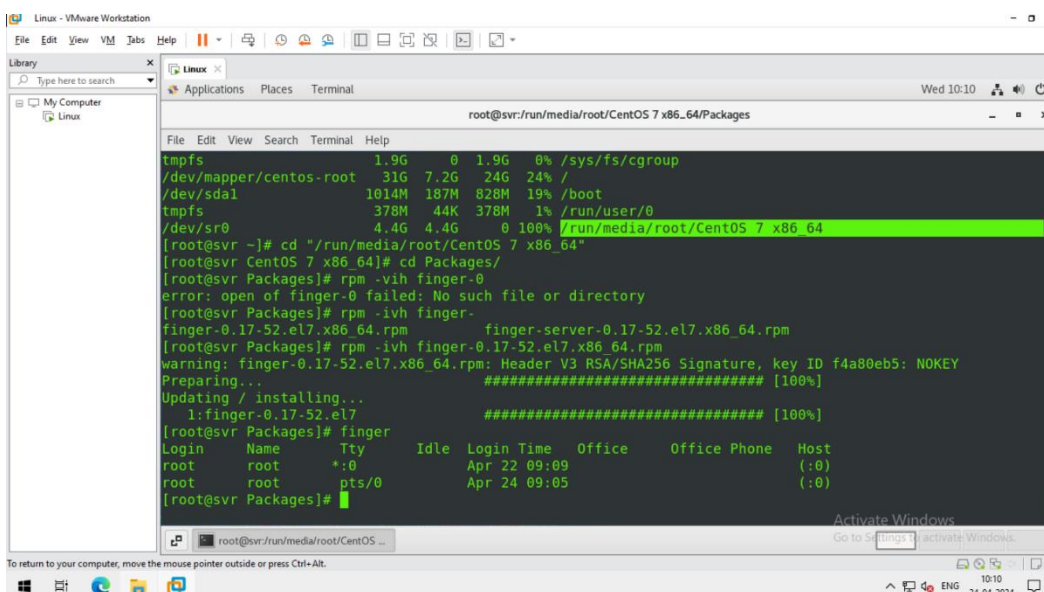
```
Linux - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to search
My Computer
Linux
Applications Places Terminal
root@svr:~
File Edit View Search Terminal Help
[root@svr ~]# df -h
Filesystem              Size  Used Avail Use% Mounted on
devtmpfs                 1.9G   0  1.9G   0% /dev
tmpfs                    1.9G   0  1.9G   0% /dev/shm
tmpfs                    1.9G  13M  1.9G   1% /run
tmpfs                    1.9G   0  1.9G   0% /sys/fs/cgroup
/dev/mapper/centos-root  31G   7.2G  24G  24% /
/dev/sdal                1014M  187M  828M  19% /boot
tmpfs                    378M  44K  378M   1% /run/user/0
/dev/sr0                  4.4G   4.4G   0 100% /run/media/root/CentOS 7 x86_64
[root@svr ~]#
```

2. Task- list the packages that can be only installed on 64bit architecture or list the packages that can be only installed on 32bit & 64bit (noarch).



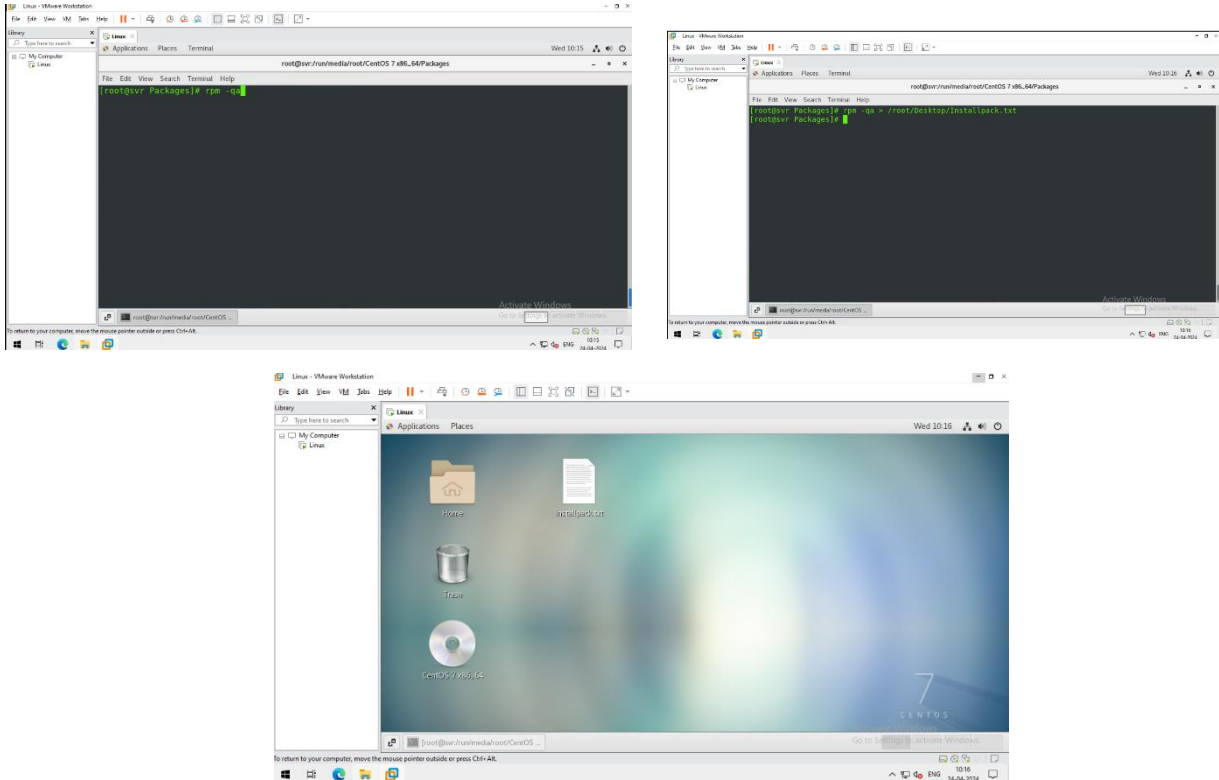
```
Linux - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to search
My Computer
Linux
Applications Places Terminal
root@svr:/run/media/root/CentOS 7 x86_64/Packages
File Edit View Search Terminal Help
[root@svr Packages]# ls | wc -l
4071
[root@svr Packages]# ls *x86_64* | wc -l
2665
[root@svr Packages]# ls *noarch* | wc -l
1405
[root@svr Packages]#
```

3. Install the package using rpm

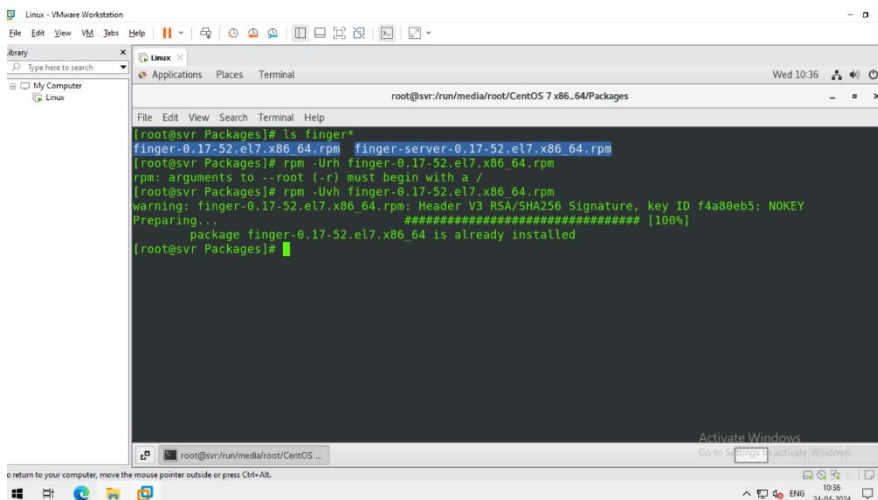


```
Linux - VMware Workstation
File Edit View VM Tabs Help
Library
Type here to search
My Computer
Linux
Applications Places Terminal
root@svr:/run/media/root/CentOS 7 x86_64/Packages
File Edit View Search Terminal Help
tmpfs 1.9G 0 1.9G 0% /sys/fs/cgroup
/dev/mapper/centos-root 31G 7.2G 24G 24% /
/dev/sdal 1014M 187M 828M 19% /boot
tmpfs 378M 44K 378M 1% /run/user/0
/dev/sr0 4.4G 4.4G 0 100% /run/media/root/CentOS 7 x86_64
[root@svr ~]# cd "/run/media/root/CentOS 7 x86_64"
[root@svr CentOS 7 x86_64]# cd Packages/
[root@svr Packages]# rpm -vih finger-0
error: open of finger-0 failed: No such file or directory
[root@svr Packages]# rpm -ivh finger-
finger-0.17-52.el7.x86_64.rpm finger-server-0.17-52.el7.x86_64.rpm
[root@svr Packages]# rpm -ivh finger-0.17-52.el7.x86_64.rpm
warning: finger-0.17-52.el7.x86_64.rpm: Header V3 RSA/SHA256 Signature, key ID f4a80eb5: NOKEY
Preparing...
Updating / installing...
1: finger-0.17-52.el7
[root@svr Packages]# finger
Login Name Tty Idle Login Time Office Office Phone Host
root root *:0 Apr 22 09:09 (:0)
root root pts/0 Apr 24 09:05 (:0)
[root@svr Packages]#
```

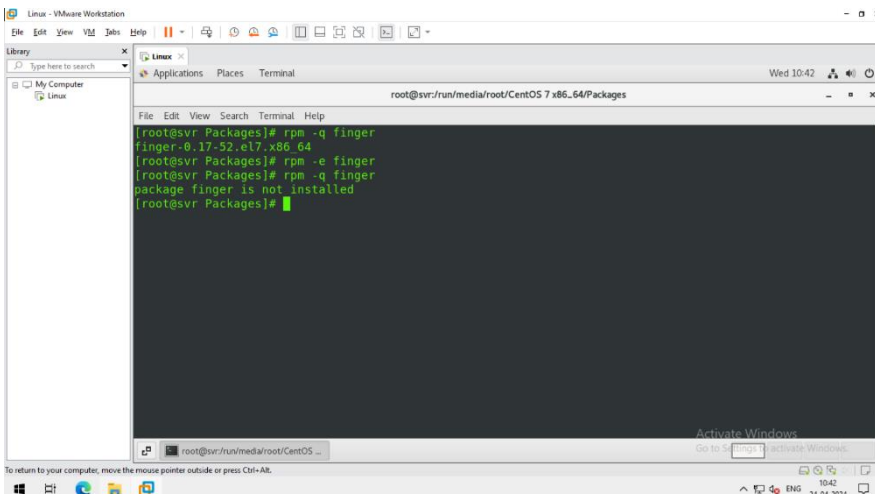
4. Task: List all the installed packages on your system & save it with a text file



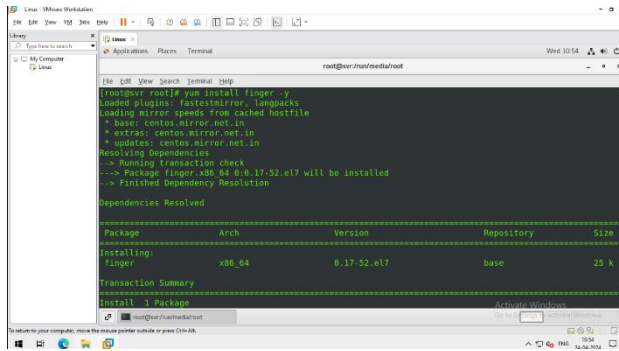
5. Update



6. Query and uninstall



7. Yum Install/ update / info / remove



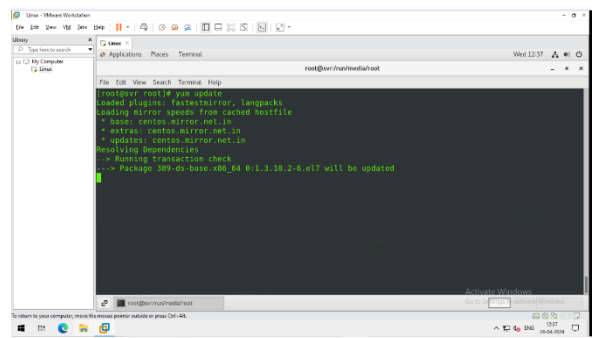
```
root@svr:/run/media/root# yum install finger
Loaded plugins: fastestmirror, langpacks
Loading mirror speeds from cached hostfile
 * base: centos.mirror.net.in
 * extras: centos.mirror.net.in
 * updates: centos.mirror.net.in
Resolving Dependencies
--> Running transaction check
--> Package finger.x86_64 0:0.17-52.el7 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

Package Arch Version Repository Size
Installing:
finger x86_64 0.17-52.el7 base 23 k

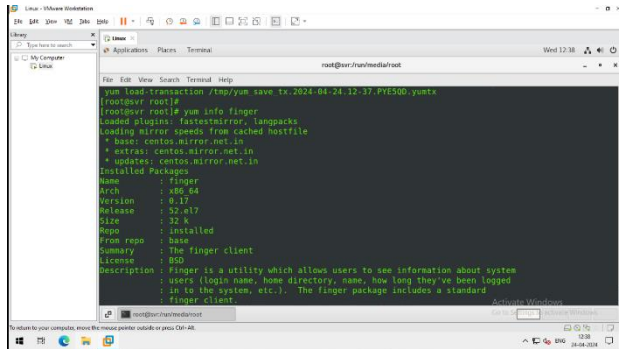
Transaction Summary
Install 1 Package

root@svr:/run/media/root#
```



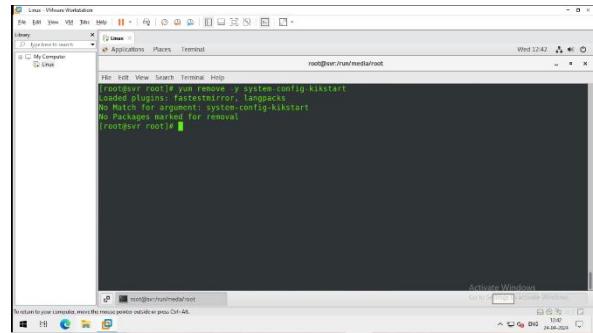
```
root@svr:/run/media/root# yum update
Loaded plugins: fastestmirror, langpacks
Loading mirror speeds from cached hostfile
 * base: centos.mirror.net.in
 * extras: centos.mirror.net.in
 * updates: centos.mirror.net.in
Resolving Dependencies
--> Running transaction check
--> Package 009-ds-base.x86_64 0:1.3.10-2-0.el7 will be updated

root@svr:/run/media/root#
```



```
root@svr:/run/media/root# yum info finger
Loaded plugins: fastestmirror, langpacks
Loading mirror speeds from cached hostfile
 * base: centos.mirror.net.in
 * extras: centos.mirror.net.in
 * updates: centos.mirror.net.in
Installed Packages
Name : finger
Arch : x86_64
Version : 0.17
Release : 52.el7
Size : 32 k
Repo : installed
From repo : base
Summary : The finger client
License : BSD
Description : finger is a utility which allows users to see information about system users (login name, home directory, name, how long they've been logged in to the system, etc.). The finger package includes a standard finger client.

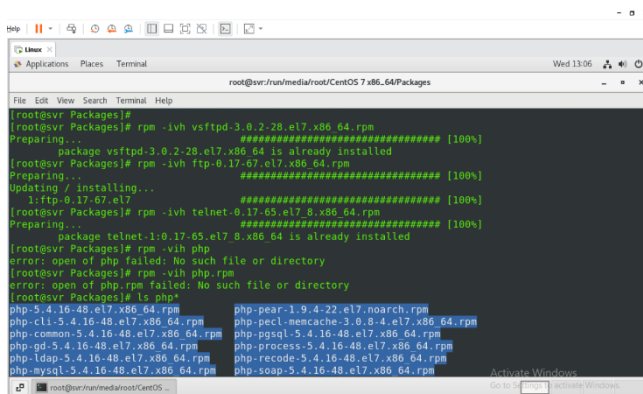
root@svr:/run/media/root#
```



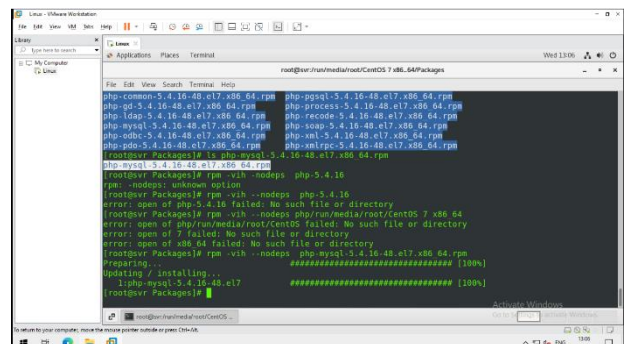
```
root@svr:/run/media/root# yum remove system-config-kickstart
Loaded plugins: fastestmirror, langpacks
No Match for argument: system-config-kickstart
No Packages marked for removal

root@svr:/run/media/root#
```

8. Install the following with rpm command -vsftpd, -ftp, -telnet, -php

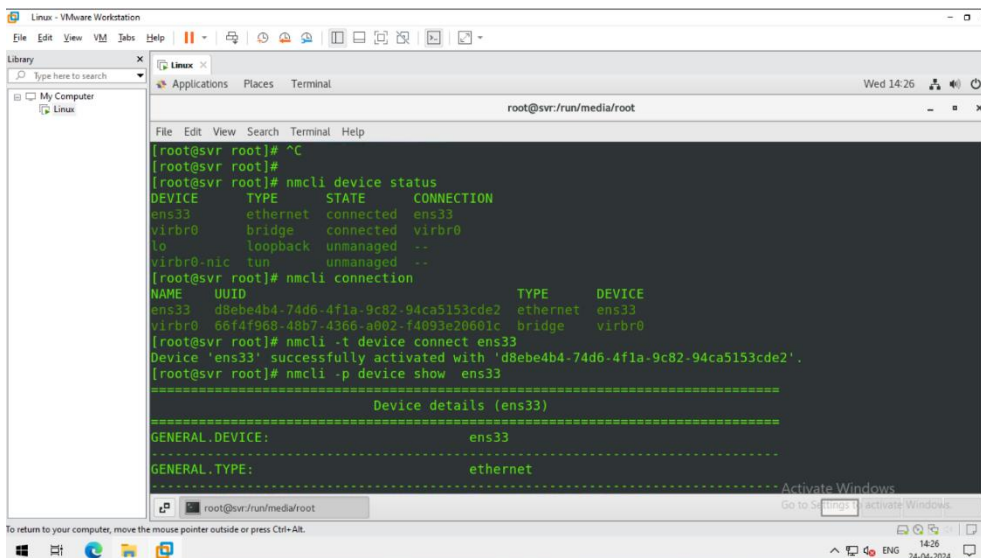


```
root@svr:/run/media/root/CentOS 7 x86_64/Packages# rpm -ivh vsftpd-3.0.2-28.el7.x86_64.rpm
Preparing...
package vsftpd-3.0.2-28.el7.x86_64 is already installed
root@svr:/run/media/root/CentOS 7 x86_64/Packages# rpm -ivh ftp-0.17-67.el7.x86_64.rpm
Preparing...
Updating / installing...
1:ftp-0.17-67.el7
root@svr:/run/media/root/CentOS 7 x86_64/Packages# rpm -ivh telnet-0.17-05.el7.x86_64.rpm
Preparing...
package telnet-0.17-05.el7.x86_64 is already installed
root@svr:/run/media/root/CentOS 7 x86_64/Packages# rpm -vvh php
error: open of php failed: No such file or directory
root@svr:/run/media/root/CentOS 7 x86_64/Packages# rpm -vvh php.rpm
error: open of php.rpm failed: No such file or directory
root@svr:/run/media/root/CentOS 7 x86_64/Packages# ls php*
php-5.4.16-48.el7.x86_64.rpm  php-pear-1.9.4-22.el7.noarch.rpm
php-cli-5.4.16-48.el7.x86_64.rpm  php-pecl-memcache-3.0.8-4.el7.x86_64.rpm
php-common-5.4.16-48.el7.x86_64.rpm  php-pgsql-5.4.16-48.el7.x86_64.rpm
php-gd-5.4.16-48.el7.x86_64.rpm  php-process-5.4.16-48.el7.x86_64.rpm
php-ldap-5.4.16-48.el7.x86_64.rpm  php-recode-5.4.16-48.el7.x86_64.rpm
php-mysql-5.4.16-48.el7.x86_64.rpm  php-soap-5.4.16-48.el7.x86_64.rpm
```



```
root@svr:/run/media/root/CentOS 7 x86_64/Packages# rpm -vvh php
php-common-5.4.16-48.el7.x86_64.rpm  php-gd-5.4.16-48.el7.x86_64.rpm
php-ldap-5.4.16-48.el7.x86_64.rpm  php-mysql-5.4.16-48.el7.x86_64.rpm
php-odbc-5.4.16-48.el7.x86_64.rpm  php-pdo-5.4.16-48.el7.x86_64.rpm
php-process-5.4.16-48.el7.x86_64.rpm  php-recode-5.4.16-48.el7.x86_64.rpm
php-soap-5.4.16-48.el7.x86_64.rpm  php-xml-5.4.16-48.el7.x86_64.rpm
php-xmlrpc-5.4.16-48.el7.x86_64.rpm  php-mysql-5.4.16-48.el7.x86_64.rpm
php-mysql-5.4.16-48.el7.x86_64.rpm
rpm: --nodes: unknown option
root@svr:/run/media/root/CentOS 7 x86_64/Packages# rpm -vvh --nodes php-5.4.16
error: open of php-5.4.16 failed: No such file or directory
root@svr:/run/media/root/CentOS 7 x86_64/Packages# rpm -vvh --nodes php/run/media/root/CentOS 7 x86_64
error: open of php/run/media/root/CentOS 7 x86_64 failed: No such file or directory
root@svr:/run/media/root/CentOS 7 x86_64/Packages# rpm -vvh --nodes php-5.4.16
error: open of 7 failed: No such file or directory
root@svr:/run/media/root/CentOS 7 x86_64/Packages# rpm -vvh --nodes php-5.4.16
error: open of x86_64 failed: No such file or directory
root@svr:/run/media/root/CentOS 7 x86_64/Packages# rpm -vvh --nodes php-mysql-5.4.16-48.el7.x86_64.rpm
Preparing...
Updating / installing...
1:php-mysql-5.4.16-48.el7
root@svr:/run/media/root/CentOS 7 x86_64/Packages#
```

9. nmcli commands

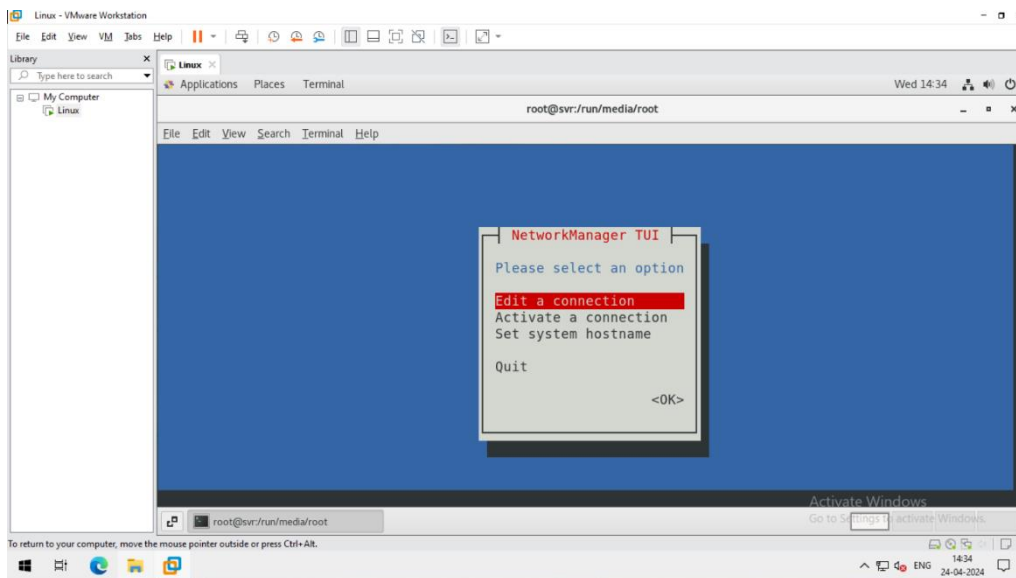


```
root@svr:/run/media/root# ^C
root@svr:/run/media/root#
root@svr:/run/media/root# nmcli device status
DEVICE TYPE STATE CONNECTION
ens33 ethernet connected ens33
virbr0 bridge connected virbr0
lo loopback unmanaged --
virbr0-nic tun unmanaged --
root@svr:/run/media/root# nmcli connection
NAME UUID TYPE DEVICE
ens33 d8ebe4b4-74d6-4f1a-9c82-94ca5153cde2 ethernet ens33
virbr0 66f4f96b-48b7-4366-a002-f4093e20601c bridge virbr0
root@svr:/run/media/root# nmcli -t device connect ens33
Device 'ens33' successfully activated with 'd8ebe4b4-74d6-4f1a-9c82-94ca5153cde2'.
root@svr:/run/media/root# nmcli -p device show ens33

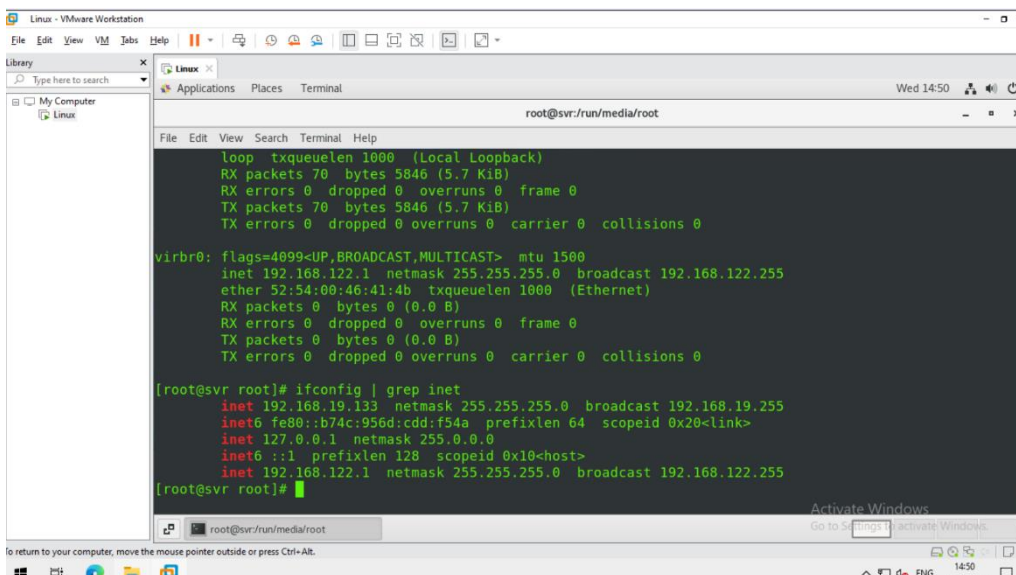
=====
Device details (ens33)
=====
GENERAL.DEVICE: ens33
GENERAL.TYPE: ethernet

root@svr:/run/media/root#
```

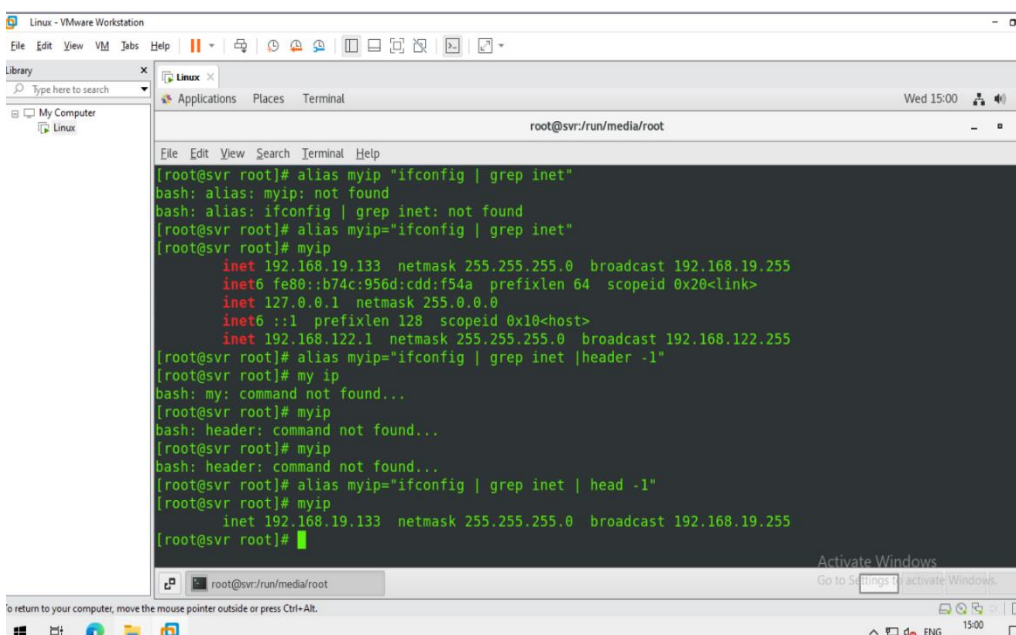
10. nmtui



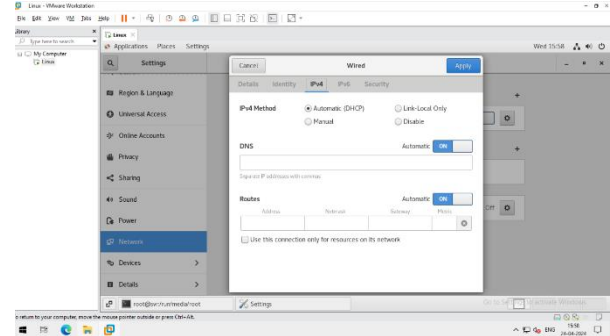
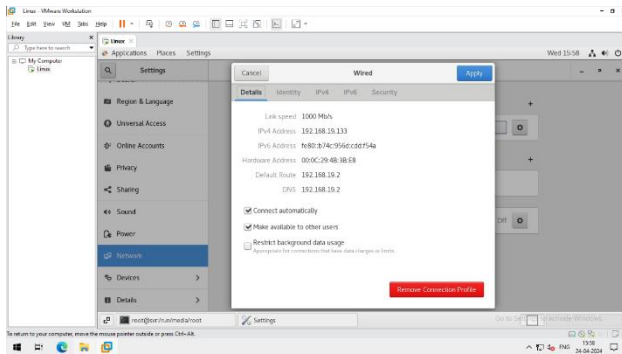
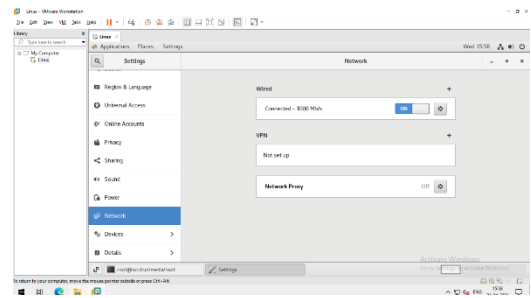
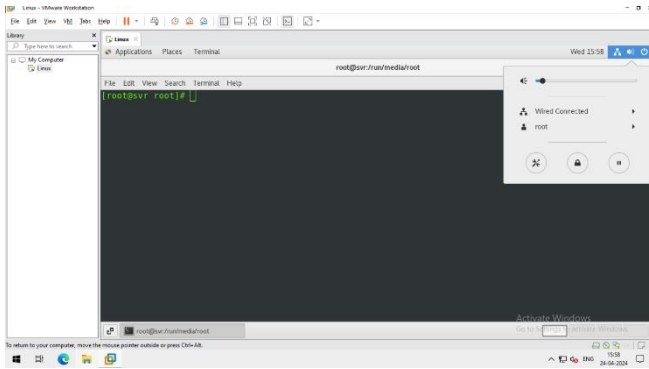
11. ipconfig



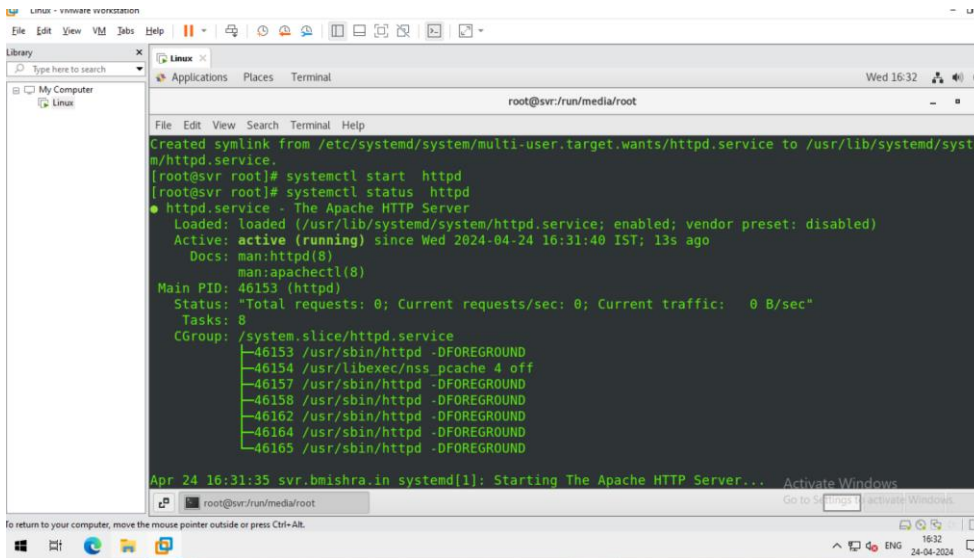
12. alias



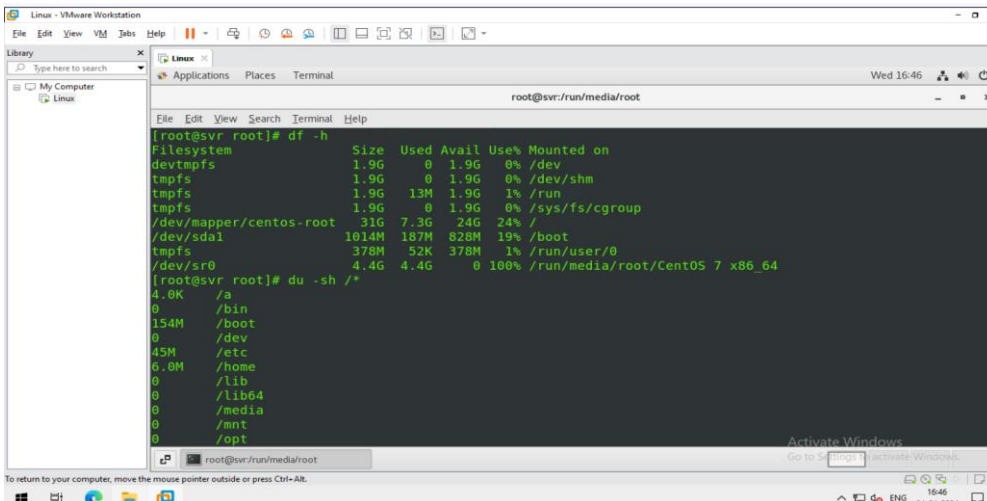
13. networking management using GUI



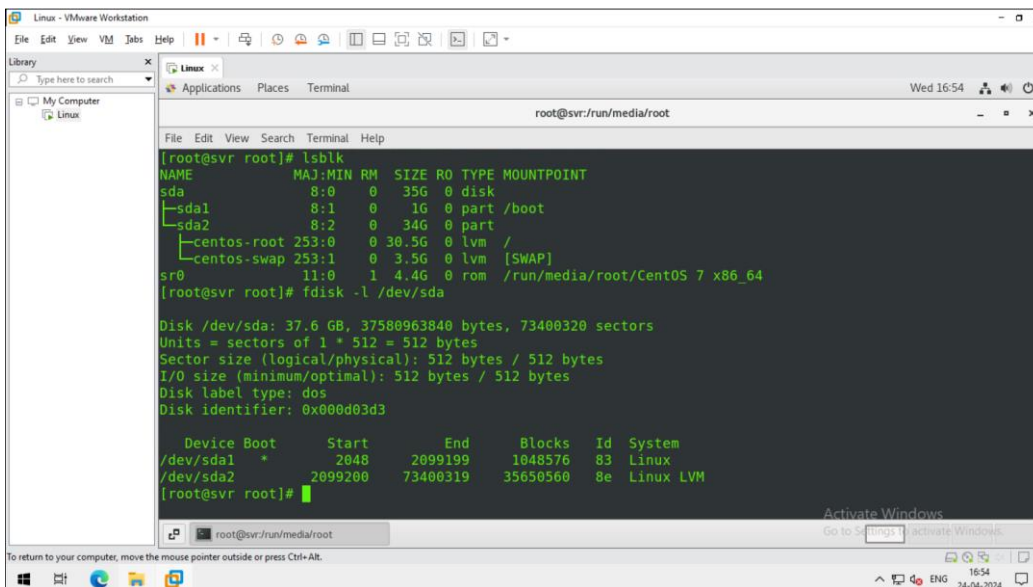
14. service management systemctl command



15. df and du command



16. lsblk and fdisk command



17. Add a disk to linux

