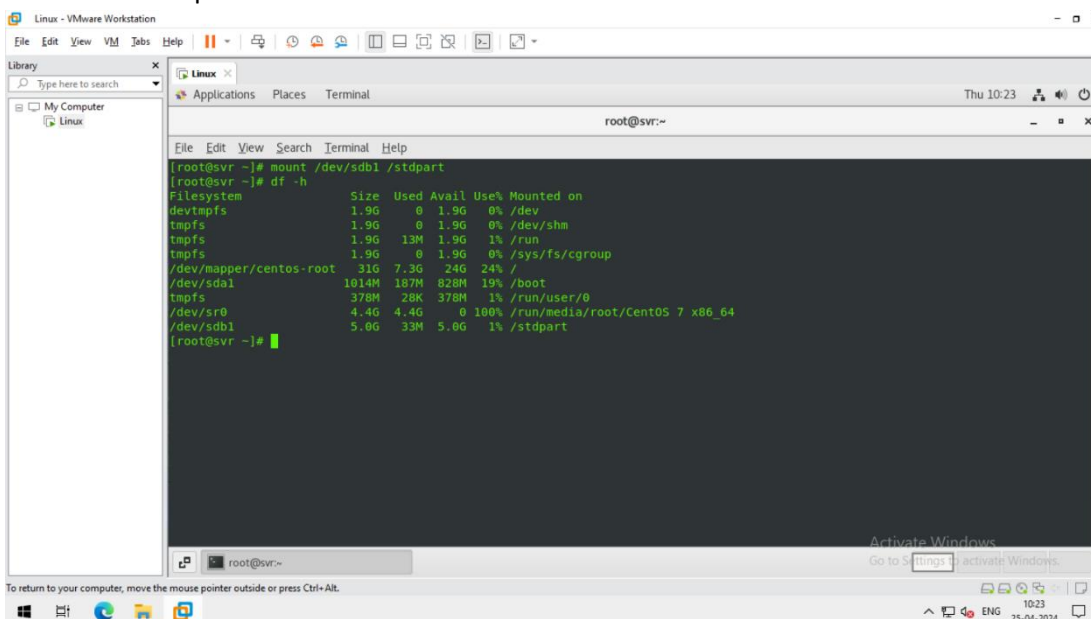
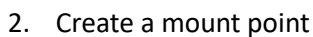
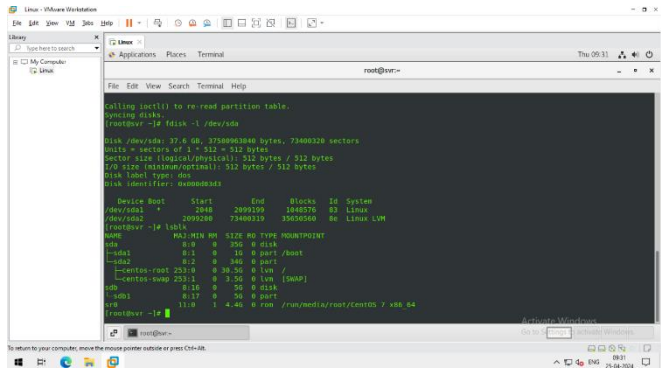
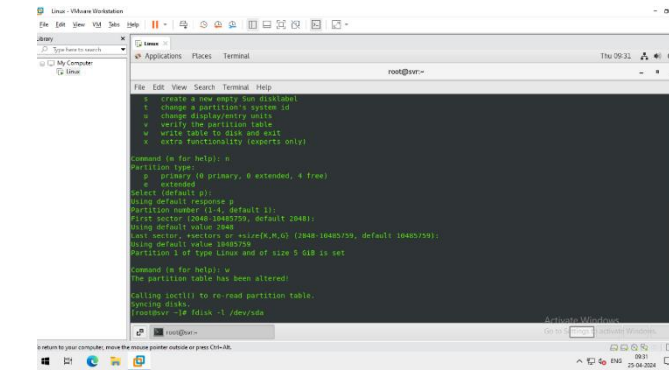
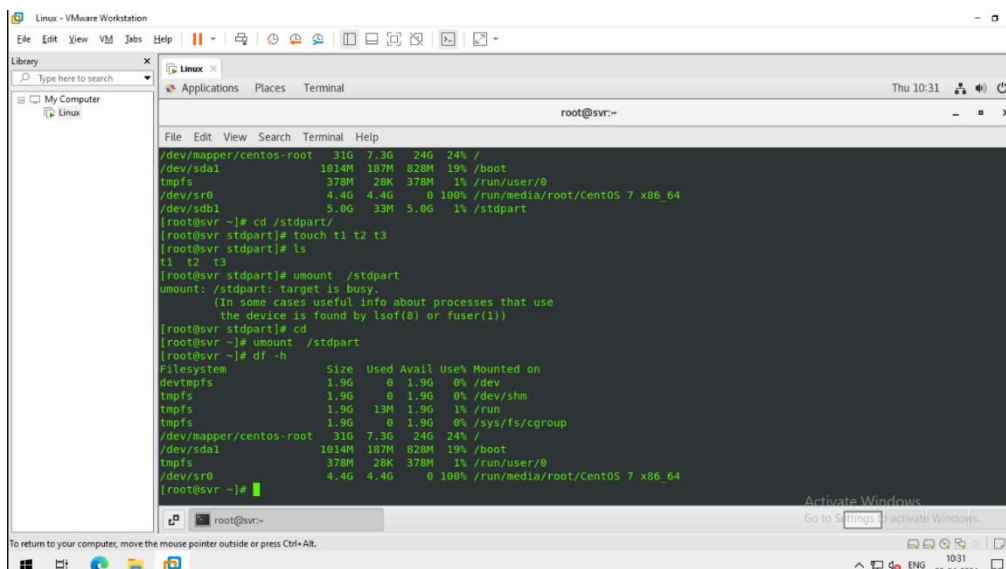


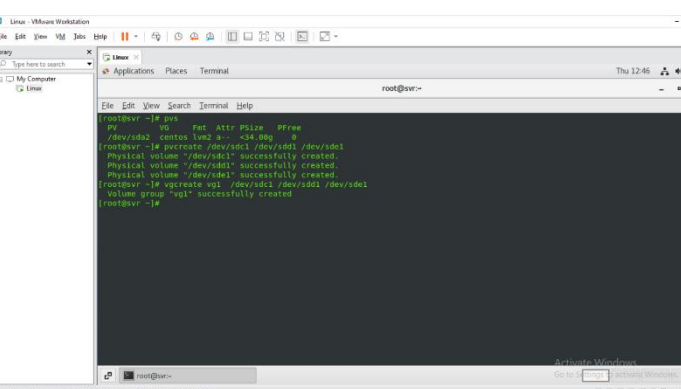
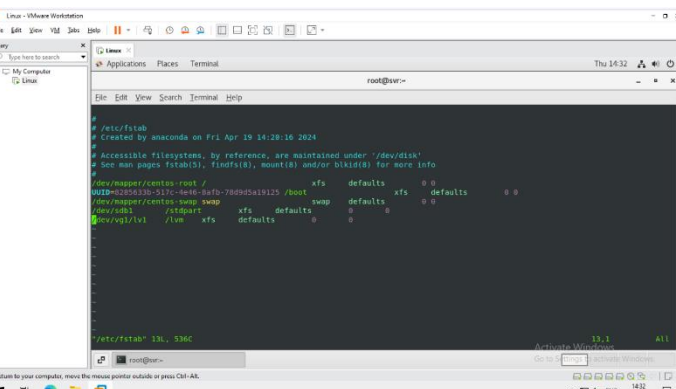
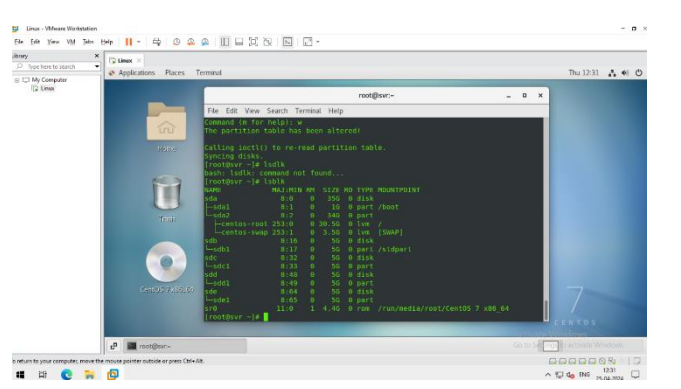
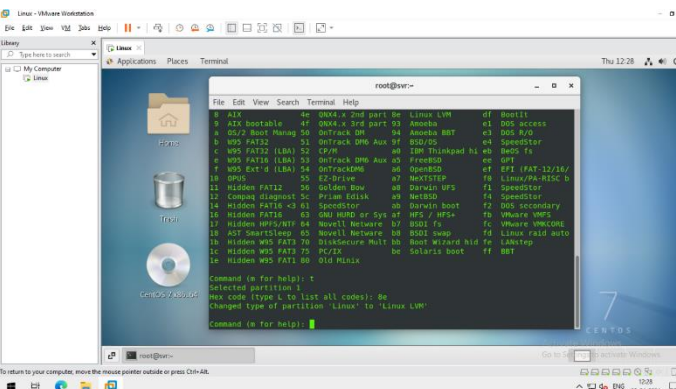
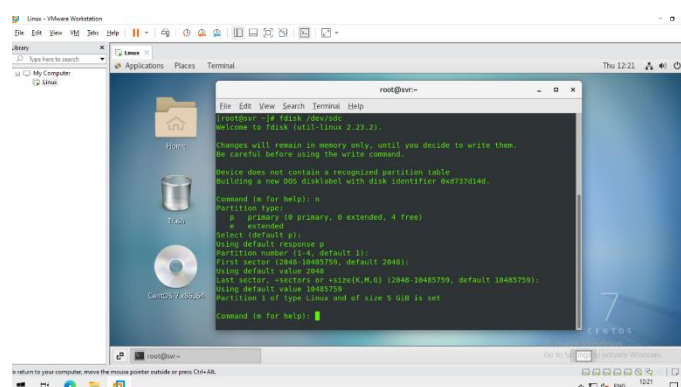
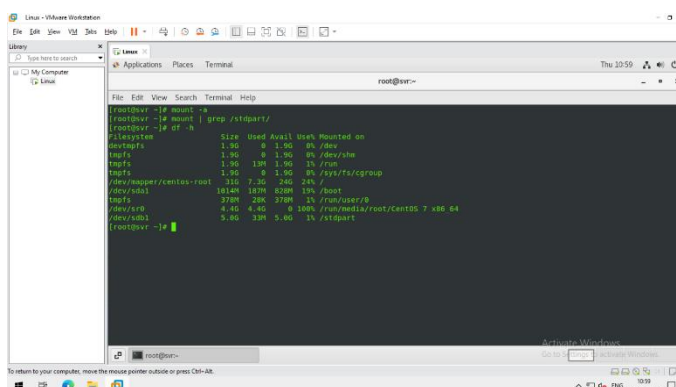
The screenshot shows a Windows 10 desktop with a taskbar at the bottom. A virtual machine window titled "Ubuntu - VMware Workstation" is open. Inside the VM, the Ubuntu installer is running. The "Erase Disk" option is selected under "What do you want to do?". A warning message states: "Warning: Erasing the disk will remove all data on the disk. Are you sure you want to do this?" The user is prompted to press "Enter" to continue or "Esc" to cancel. The installer also shows the disk layout with a single partition of 16.0 GB.

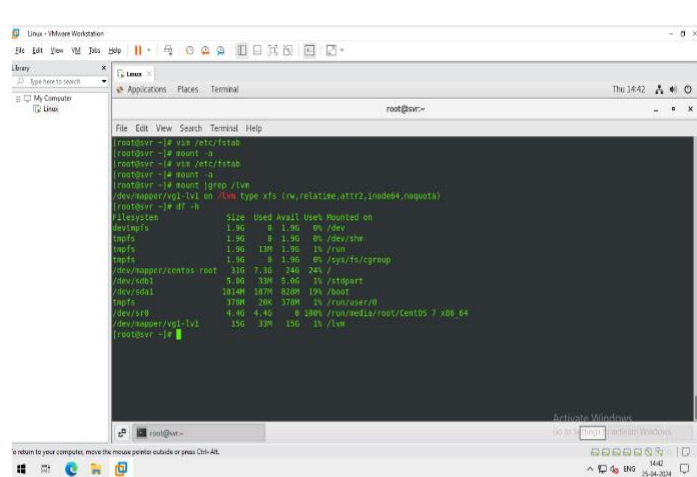
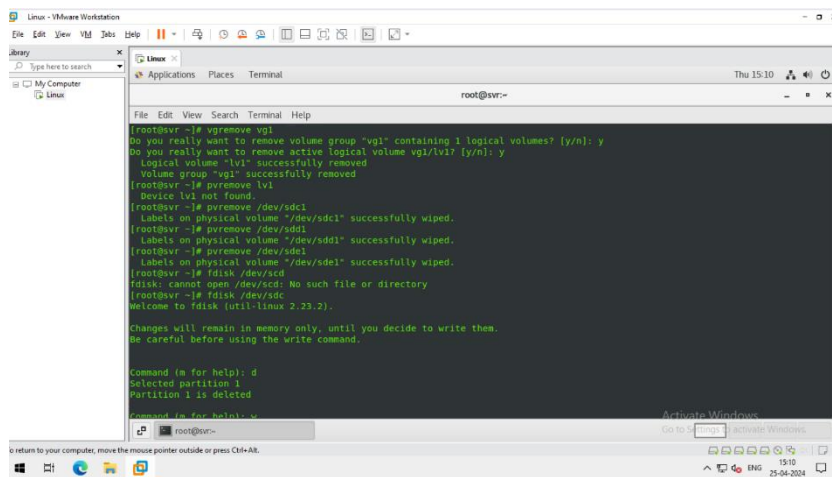


3. Unmount the partition

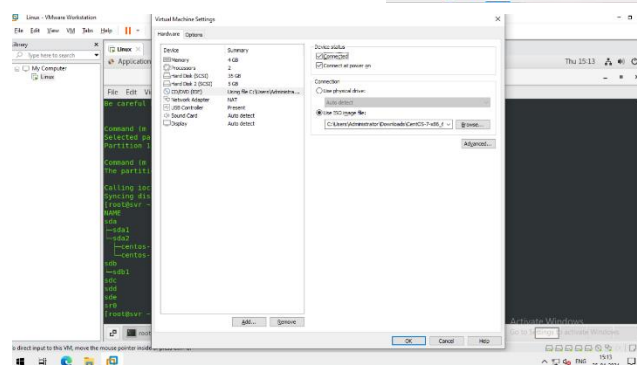
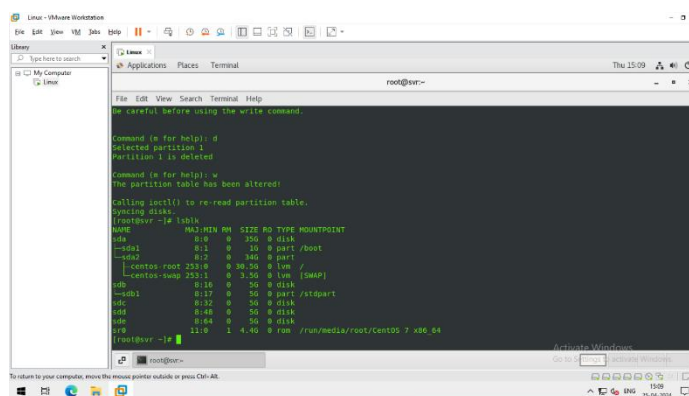
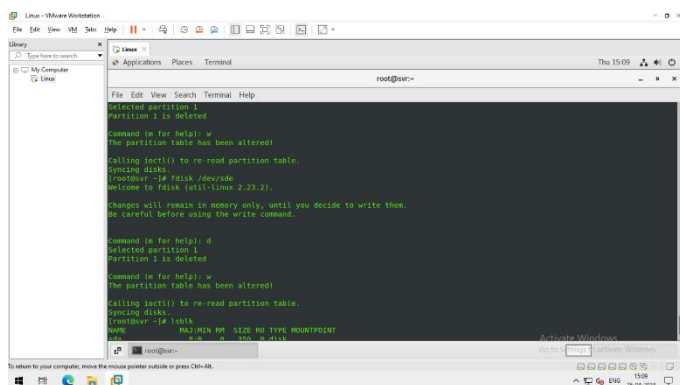


4. LVM

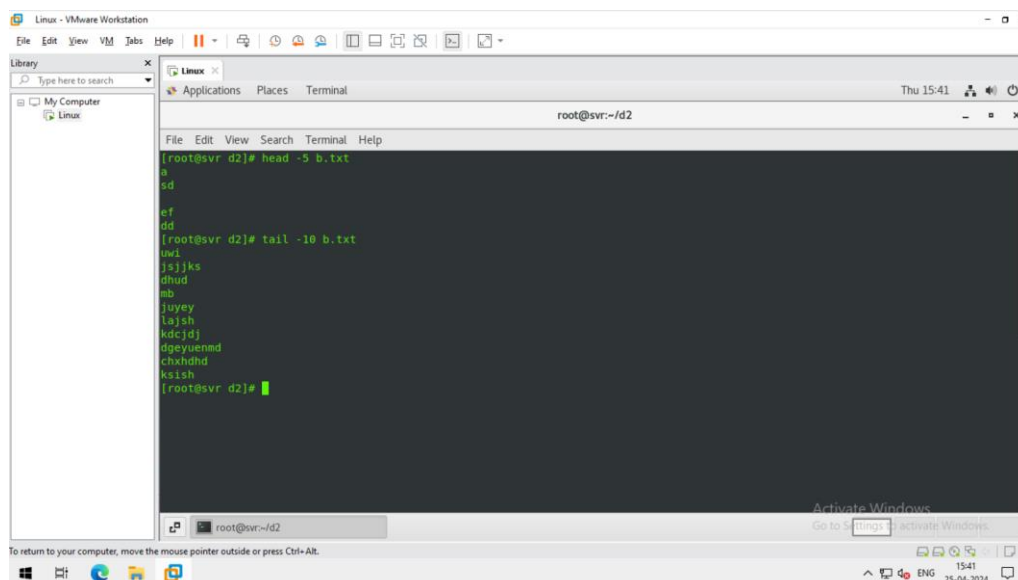




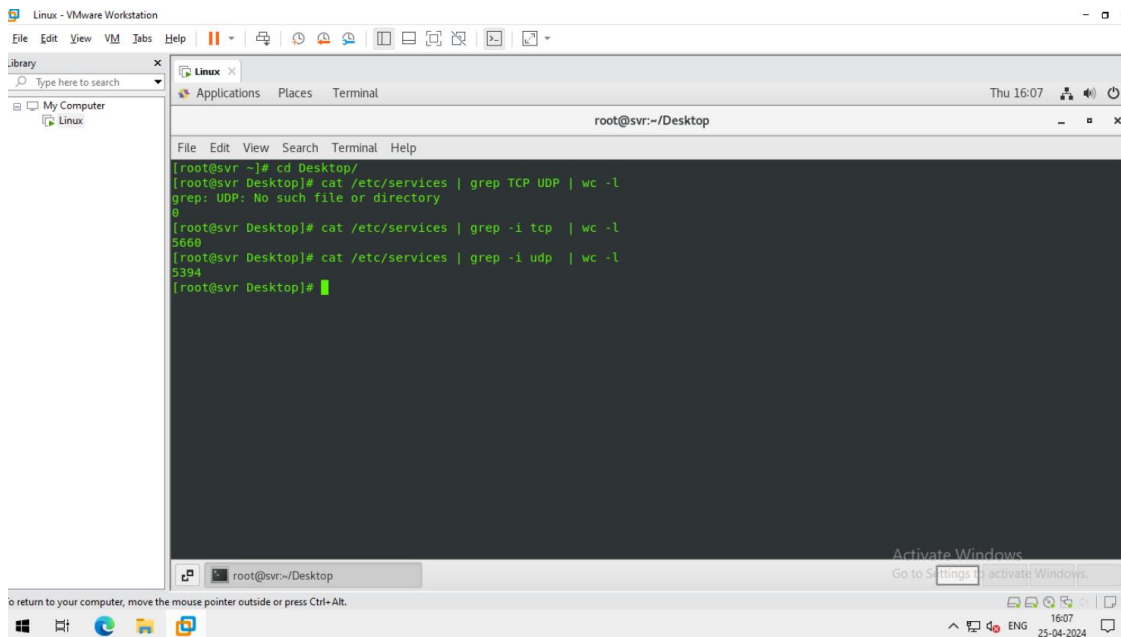
5. Task- Delete the LVM partition



6. Head and Tail command



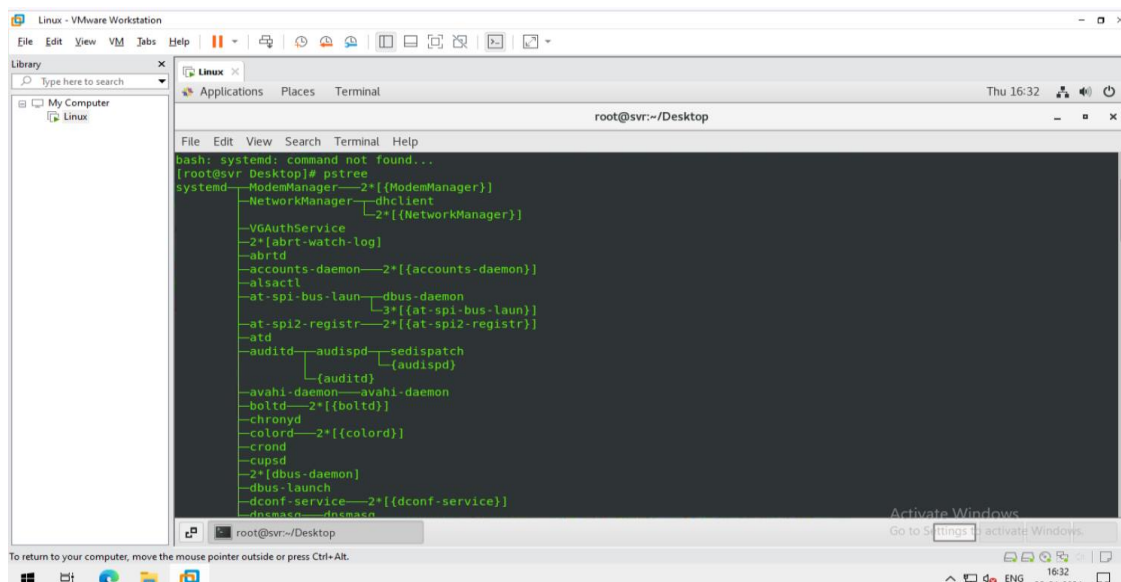
7. Task- Count the TCP and UDP services with in above file



The screenshot shows a Linux terminal window with the following commands and output:

```
[root@svr ~]# cd Desktop/
[root@svr Desktop]# cat /etc/services | grep TCP UDP | wc -l
grep: UDP: No such file or directory
0
[root@svr Desktop]# cat /etc/services | grep -i tcp | wc -l
5660
[root@svr Desktop]# cat /etc/services | grep -i udp | wc -l
5394
[root@svr Desktop]#
```

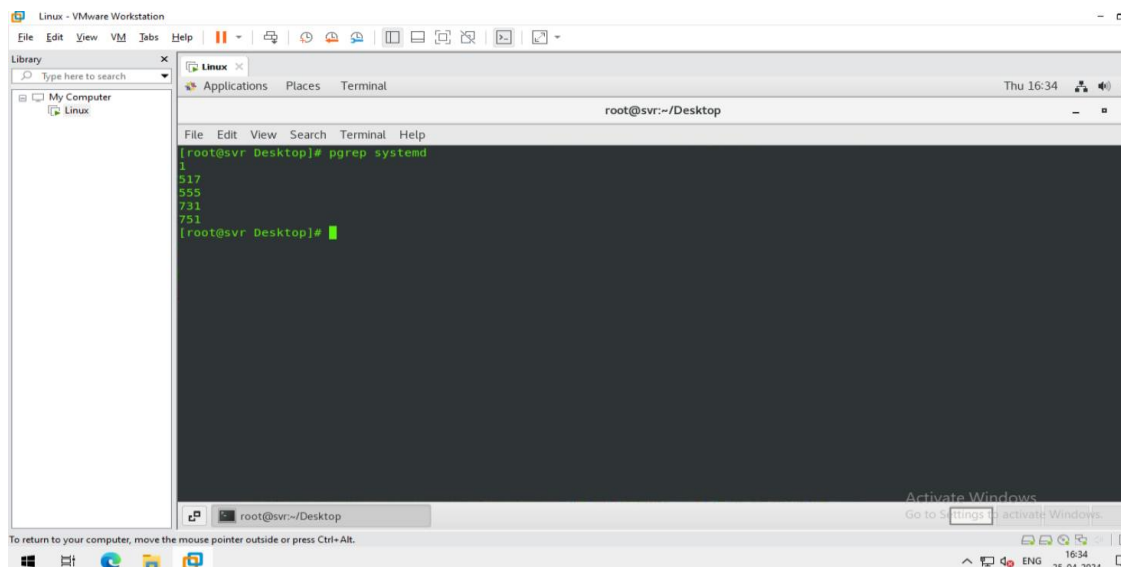
8. Pstree



The screenshot shows a Linux terminal window with the following commands and output:

```
[root@svr Desktop]# pstree
systemd--ModemManager--2*[{ModemManager}]
systemd--NetworkManager--2*[{NetworkManager}]
systemd--VGAuthService--2*[{abrtd-watch-log}]
systemd--abrtd
systemd--accounts-daemon--2*[{accounts-daemon}]
systemd--alsactl
systemd--at-spi-bus-launcher--dbus-daemon
systemd--at-spi2-registrars--3*[{at-spi2-registrars}]
systemd--atd
systemd--auditd--audispd--sedispatch
systemd--avahi-daemon--avahi-daemon
systemd--boltd--2*[{boltd}]
systemd--chronyd
systemd--colord--2*[{colord}]
systemd--crrond
systemd--cupsd
systemd--2*[{dbus-daemon}]
systemd--dbus-launch
systemd--dconf-service--2*[{dconf-service}]
systemd--dnsmasq
```

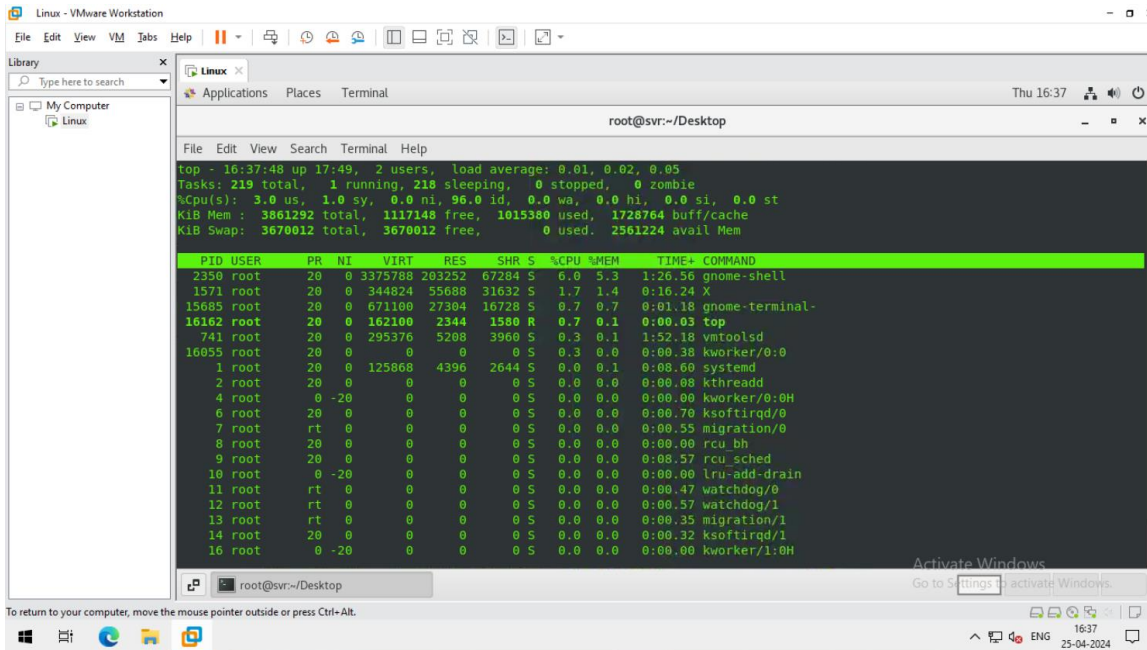
9. Pgrep system



The screenshot shows a Linux terminal window with the following commands and output:

```
[root@svr Desktop]# pgrep systemd
1
517
555
731
751
[root@svr Desktop]#
```


10. Top

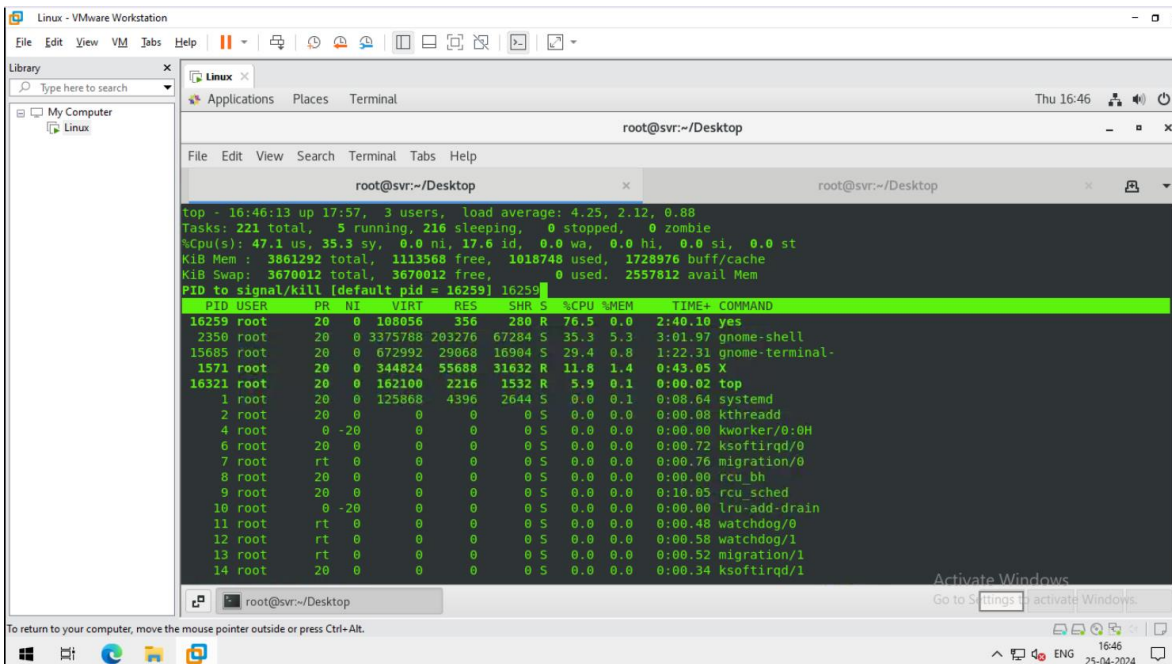


The screenshot shows a Linux VM window with a terminal running the 'top' command. The output displays system statistics and a list of running processes.

```
top - 16:37:48 up 17:49, 2 users, load average: 0.01, 0.02, 0.05
Tasks: 219 total, 1 running, 218 sleeping, 0 stopped, 0 zombie
%Cpu(s): 3.0 us, 1.0 sy, 0.0 ni, 96.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
KiB Mem : 3861292 total, 1117148 free, 1015380 used, 1728764 buff/cache
KiB Swap: 3670012 total, 3670012 free, 0 used, 2561224 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
2350	root	20	0	3375788	203252	67284	S	6.0	5.3	1:26.56	gnome-shell
1571	root	20	0	344824	55688	31632	S	1.7	1.4	0:10.24	X
15685	root	20	0	671100	27304	16728	S	0.7	0.7	0:01.18	gnome-terminal-
16162	root	20	0	162100	2344	1580	R	0.7	0.1	0:00.03	top
741	root	20	0	295376	5208	3960	S	0.3	0.1	1:52.18	vmtoolsd
16055	root	20	0	0	0	0	S	0.3	0.0	0:00.38	kworker/0:0
1	root	20	0	125868	4396	2644	S	0.0	0.1	0:08.60	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.08	kthreadd
4	root	0	-20	0	0	0	S	0.0	0.0	0:00.00	kworker/0:0H
6	root	20	0	0	0	0	S	0.0	0.0	0:00.70	ksoftirqd/0
7	root	rt	0	0	0	0	S	0.0	0.0	0:00.55	migration/0
8	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_bh
9	root	20	0	0	0	0	S	0.0	0.0	0:08.57	rcu_sched
10	root	0	-20	0	0	0	S	0.0	0.0	0:00.00	lru-add-drain
11	root	rt	0	0	0	0	S	0.0	0.0	0:00.47	watchdog/0
12	root	rt	0	0	0	0	S	0.0	0.0	0:00.57	watchdog/1
13	root	rt	0	0	0	0	S	0.0	0.0	0:00.35	migration/1
14	root	20	0	0	0	0	S	0.0	0.0	0:00.32	ksoftirqd/1
16	root	0	-20	0	0	0	S	0.0	0.0	0:00.00	kworker/1:0H

11. Kill

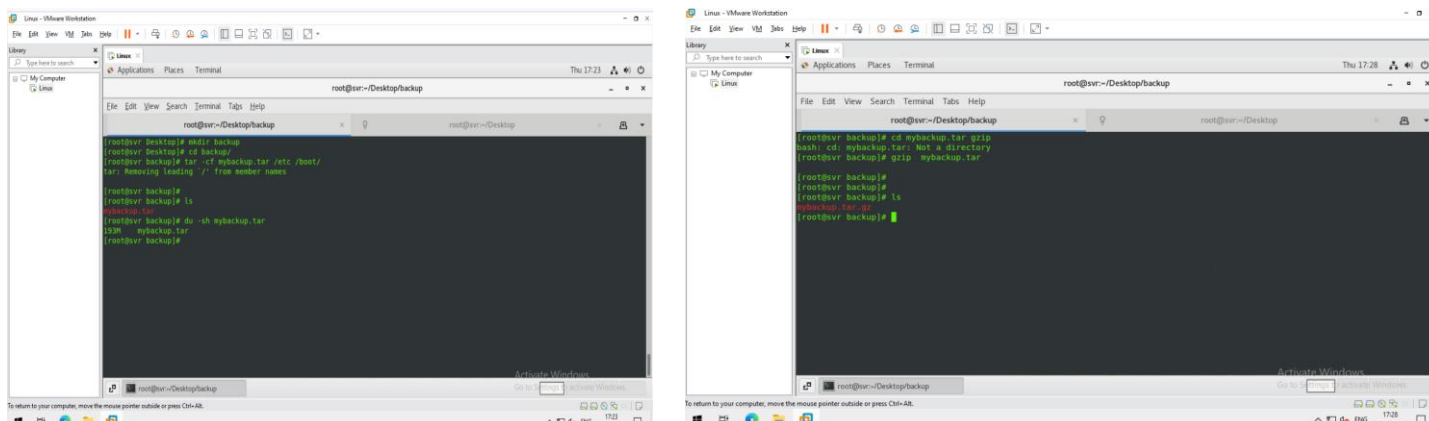


The screenshot shows a Linux VM window with a terminal running the 'top' command. The output displays system statistics and a list of running processes. PID 16259 is highlighted in the list.

```
top - 16:46:13 up 17:57, 3 users, load average: 4.25, 2.12, 0.88
Tasks: 221 total, 5 running, 216 sleeping, 0 stopped, 0 zombie
%Cpu(s): 47.1 us, 35.3 sy, 0.0 ni, 17.6 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
KiB Mem : 3861292 total, 1113568 free, 1018748 used, 1728976 buff/cache
KiB Swap: 3670012 total, 3670012 free, 0 used, 2557812 avail Mem
PID to signal/kill [default pid = 16259] 16259
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
16259	root	20	0	108056	356	280	R	76.5	0.0	2:40.10	yes
2350	root	20	0	3375788	203276	67284	S	35.3	5.3	3:01.97	gnome-shell
15685	root	20	0	672992	29068	16904	S	29.4	0.8	1:22.31	gnome-terminal-
1571	root	20	0	344824	55688	31632	R	11.8	1.4	0:43.05	X
16321	root	20	0	162100	2216	1532	R	5.9	0.1	0:00.02	top
1	root	20	0	125868	4396	2644	S	0.0	0.1	0:08.64	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.08	kthreadd
4	root	0	-20	0	0	0	S	0.0	0.0	0:00.00	kworker/0:0H
6	root	20	0	0	0	0	S	0.0	0.0	0:00.72	ksoftirqd/0
7	root	rt	0	0	0	0	S	0.0	0.0	0:00.76	migration/0
8	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_bh
9	root	20	0	0	0	0	S	0.0	0.0	0:10.05	rcu_sched
10	root	0	-20	0	0	0	S	0.0	0.0	0:00.00	lru-add-drain
11	root	rt	0	0	0	0	S	0.0	0.0	0:00.48	watchdog/0
12	root	rt	0	0	0	0	S	0.0	0.0	0:00.58	watchdog/1
13	root	rt	0	0	0	0	S	0.0	0.0	0:00.52	migration/1
14	root	20	0	0	0	0	S	0.0	0.0	0:00.34	ksoftirqd/1

12. Tar command



The first screenshot shows the 'tar' command being used to create a backup of the '/etc/passwd' file. The second screenshot shows the 'tar' command being used to list the contents of the backup file.

```
root@svr:~/Desktop/backup
root@svr:~/Desktop/backup# tar -czvf mybackup.tar /etc/passwd
tar: Removing leading '/' from member names
root@svr:~/Desktop/backup# ls
mybackup.tar
root@svr:~/Desktop/backup# tar -tzvf mybackup.tar
tar: mybackup.tar: not a directory
root@svr:~/Desktop/backup# tar -tzvf mybackup.tar
tar: mybackup.tar: not a directory
```

13. SCP command

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Administrator> cd '..\Desktop\New folder\'
PS C:\Users\Administrator\Desktop\New folder> ls
PS C:\Users\Administrator\Desktop\New folder>
PS C:\Users\Administrator\Desktop\New folder> scp root@192.168.19.133:/root/Desktop/backup/mybackup.tar .
ssh: Could not resolve hostname 192.168.19.133: No such host is known.
PS C:\Users\Administrator\Desktop\New folder> scp root@192.168.19.133:/root/Desktop/backup/mybackup.tar .
root@192.168.19.133's password:
mybackup.tar                                     100% 192MB 17.6MB/s 00:10
PS C:\Users\Administrator\Desktop\New folder> █
```