

☑ EASY (Q1–Q10)

Q1. Which Linux command lists block devices?

- A. `df`
- B. `lsblk`
- C. `mount`
- D. `blkid`

Q2. Which command is used to create partitions on MBR disks?

- A. `gdisk`
- B. `parted`
- C. `fdisk`
- D. `mkfs`

Q3. Which partition table supports disks larger than 2 TB?

- A. MBR
- B. GPT
- C. FAT
- D. EXT

Q4. Which command formats a partition with ext4 filesystem?

- A. `fsck`
- B. `mount`
- C. `mkfs.ext4`
- D. `tune2fs`

Q5. Which directory is commonly used to mount temporary filesystems?

- A. `/media`
- B. `/mnt`
- C. `/boot`
- D. `/proc`

Q6. Which command displays filesystem disk usage?

- A. `du`
- B. `df`
- C. `lsblk`
- D. `mount`

Q7. Which LVM component represents actual storage devices?

- A. Volume Group
- B. Logical Volume
- C. Physical Volume
- D. Snapshot

Q8. Which command initializes a disk for LVM usage?

- A. vgcreate
- B. lvcreate
- C. pvcreate
- D. mkfs

Q9. Which file defines static mount points?

- A. /etc/mtab
- B. /etc/mounts
- C. /etc/fstab
- D. /proc/mounts

Q10. Which command mounts a filesystem manually?

- A. fsck
- B. mount
- C. df
- D. du

☐ MEDIUM (Q11–Q25)

Q11. Which command shows UUIDs of block devices?

- A. lsblk
- B. blkid
- C. mount
- D. df

Q12. Which LVM layer groups physical volumes together?

- A. Logical Volume
- B. Snapshot
- C. Volume Group
- D. Filesystem

Q13. Which command creates a new volume group?

- A. pvcreate
- B. vgcreate
- C. lvcreate
- D. vgextend

Q14. Which command extends an existing logical volume?

- A. lvextend
- B. vgextend
- C. pvextend
- D. resize2fs

Q15. Which filesystem supports online resizing?

- A. ext2
- B. ext3
- C. ext4
- D. FAT32

Q16. Which partition type is required for LVM?

- A. 82
- B. 83
- C. 8e
- D. ef

Q17. Which command scans for new disks without rebooting?

- A. `fdisk -l`
- B. `partprobe`
- C. `mount -a`
- D. `mkfs`

Q18. Which command displays volume group details?

- A. `pvdisk`
- B. `vgdisplay`
- C. `lvdisplay`
- D. `lsblk`

Q19. Which file system is default for RHEL 8?

- A. ext4
- B. xfs
- C. btrfs
- D. ntfs

Q20. Which command checks filesystem consistency?

- A. `mkfs`
- B. `mount`
- C. `fsck`
- D. `df`

Q21. Which LVM feature allows point-in-time copy?

- A. Thin pool
- B. RAID
- C. Snapshot
- D. Striping

Q22. Which command removes a logical volume?

- A. `lvremove`
- B. `vgremove`

- C. `pvremove`
- D. `rm`

Q23. Which mount option prevents execution of binaries?

- A. `rw`
- B. `ro`
- C. `noexec`
- D. `nosuid`

Q24. Which command displays mounted filesystems?

- A. `df -h`
- B. `mount`
- C. `lsblk`
- D. All of the above

Q25. Which disk layout improves performance by spreading data?

- A. Linear
- B. Snapshot
- C. Striped
- D. Mirrored

HARD (Q26–Q40)

Q26. Why is GPT preferred over MBR in modern systems?

- A. Faster boot
- B. Smaller disk size
- C. Supports more partitions and larger disks
- D. GUI support

Q27. Which command resizes filesystem after extending LVM?

- A. `fsck`
- B. `resize2fs`
- C. `mount -o remount`
- D. `tune2fs`

Q28. Which scenario best justifies using LVM?

- A. Single small disk
- B. Static disk layout
- C. Dynamic storage resizing
- D. Read-only media

Q29. Which file system is optimized for large files and scalability?

- A. `ext3`

- B. ext4
- C. xfs
- D. vfat

Q30. Which mount option increases filesystem security?

- A. defaults
- B. rw
- C. noexec
- D. async

Q31. Which LVM command adds a new disk to a volume group?

- A. pvcreate
- B. vgextend
- C. lvextend
- D. vgmerge

Q32. What happens if `/etc/fstab` is misconfigured?

- A. System boots normally
- B. Only users affected
- C. Boot may fail or enter emergency mode
- D. Filesystem repaired automatically

Q33. Which partition ID represents Linux swap?

- A. 82
- B. 83
- C. 8e
- D. ef

Q34. Which command safely removes a volume group?

- A. vgdelete
- B. vgremove
- C. vgdestroy
- D. `rm -rf`

Q35. Which storage concept allows logical volumes to exceed physical size?

- A. RAID
- B. Striping
- C. Thin provisioning
- D. Mirroring

Q36. Why should UUIDs be used in `/etc/fstab`?

- A. Faster mounting
- B. Better readability
- C. Device name stability
- D. GUI compatibility

Q37. Which command displays physical volume details?

- A. pvdisplay
- B. vgdisplay
- C. lvdisplay
- D. lsblk

Q38. Which LVM feature improves disk I/O performance?

- A. Snapshot
- B. Thin pool
- C. Striping
- D. Mirroring

Q39. Which filesystem repair must be done on unmounted filesystems?

- A. resize2fs
- B. tune2fs
- C. fsck
- D. mount

Q40. Which best practice improves disk management reliability?

- A. Manual mounting always
- B. No backups
- C. Regular filesystem checks
- D. Disable logging