1. Where are the cron logs and General system activity logs stored ?

2. What does /var/log/lastlog store ? How to view it ?

3. User1 is unable to login into the system. Has many failed attempts. As an admin which log file will you check to find out the problem.

4. How would you use the `find` command to search for all files with the `.txt` extension in the `/home` directory?

5. How would you find all empty files within the `/home/user/Documents` directory using `find`?

6. How would you use the `find` command to locate files with the permissions `644` within `/etc`?

7. Find all symbolic links within the `/usr` directory using the `find` command.

8. How can you use `find` to search for files owned by a specific user, for example, `user1`, in the `/home` directory?

9. Write a command using `find` to search for files larger than 100MB in the `/var` directory.

10. Use `find` to locate all files in the `/etc` directory that were modified within the last 7 days.

11. Write a `locate` command to search for files with the `.conf` extension on your system.

12. Write a `locate` command to search for all files in the `/usr` directory that contain the string `lib'

13. . How can you use `locate` to find all occurrences of a file named `hosts` in the filesystem?

14. What is cronjob ? what are the fields in cronjob?

15. how to edit, list, remove other users cronjob

16. schedule the cronjob at machine reboot

17. Send an email reminder on the last day of every month at 8 PM.

18. Generate a report on the first day of each month at midnight.

19. Clear cache files every day at 4:15 PM.

20. `60 14 * * * /path/to/script` (Is this correct? Why or why not?)

21. `0 6 * * 7 /path/to/script` Explain.

22. Clear cache every time you turn on the system. Syntax.

23. Perform monitoring every minute during January, February, and May.

24. Make the task run quarterly on the first day of the month at 8am.

25. How will you schedule a cronjob – yearly once ,daily once , hourly once.

26. Is it possible to increase the logical volume online?

27. What are the types of partitions available ?

28. How to scan a physical volume ?

29. Attach LUN/disk 6GB, create lvm based filesystem(ext4) ,mountpoint should be /prod_data. Provide steps with syntax.

30. Reduce above lvm filesystem 2GB and final size of filesystem should be 4G?

31. Attach disk 4GB, create partition-based filesystem, mountpoint should be /drive

32. How will you check the current lvm setup ?

33. You are working as a system administrator, and your organization has a Linux server running on a physical machine. The server has a volume group vg_data and a logical volume lv_home mounted at /home. The server is running out of space in the /home directory. You have a new disk /dev/sdb available for use.
    How would you extend the storage of the lv_home logical volume to include the new disk?

34. is it possible to reduce the xfs filesystem?

35. create 3Gb swap file as well as swap partition and enable swap?

36. What is fstab ? what are the field in /etc/fstab?

37. How to disable swap space ?

38. How to set priority of swap space ?

39.what is the command to check the mounted file system?

40.how to create ext4 and xfs file system?