**Crontab Practice Questions**

**Questions**

1. As the user deepak, schedule a cron job that runs the script /home/deepak/logtime.sh every minute.
2. Create a cron job for the user deepak that executes /home/deepak/sysinfo.sh every day at 6 PM.
3. Schedule a cron job that runs /home/deepak/backup.sh on the 10th of every month at 6 PM.
4. Configure a cron job that executes /home/deepak/weekly.sh every Sunday.
5. As the root user, list all cron jobs configured for the user ajay.
6. As the root user, deny the user neeta from using cron.
7. Configure the system so that only the users ajay and deepak are allowed to use cron.
8. Create a shell script at /home/deepak/job1.sh which appends the text Backup started at <current date and time> to /home/deepak/backup.log. Make this script run every minute using cron.
9. Verify if the script /home/deepak/job1.sh is running correctly by checking the log file /home/deepak/backup.log.
10. Write a shell script /home/deepak/admin\_tasks.sh that:
    * Copies all files owned by the user sara to /backup.
    * Deletes all files owned by the user harry.
    * Archives and compresses the /etc directory into /backup/etc.tar.xz. Schedule this script to run at 6:30 PM on December 10 every year.
11. Configure a cron job that runs /home/deepak/job1.sh every minute and saves both output and errors into /home/deepak/job1.log.
12. As the root user, monitor cron job executions in real time using the appropriate log file.
13. As the user deepak, schedule a cron job that runs /usr/local/bin/cleanup.sh every 5 minutes.
14. Configure a cron job for the user neeta to run /usr/local/bin/report.sh at 7:15 AM every day.
15. Schedule a cron job that executes /usr/local/bin/rotate\_logs.sh every Monday at midnight.
16. Create a cron job that runs /usr/local/bin/check\_disk.sh every two hours.
17. Configure a cron job that runs /usr/local/bin/monthly\_audit.sh on the first day of every month at 1:05 AM.
18. As the root user, list all cron jobs configured for the entire system.
19. Restrict all users except deepak and ajay from scheduling jobs with the at command.
20. Schedule a one-time job with at to run /usr/local/bin/security\_scan.sh at 11:45 PM today.
21. Schedule a job with at to execute /usr/local/bin/reboot\_notice.sh at 8 AM two days from now.
22. Verify the scheduled at jobs for the user neeta.
23. Remove all pending at jobs for the user ajay.
24. Create a shell script /usr/local/bin/daily\_tasks.sh that:
    * Lists the running processes into /var/log/process.log.
    * Displays the free disk space into /var/log/disk.log.
    * Shows all logged-in users into /var/log/users.log. Schedule this script to run daily at 9:30 AM.
25. Configure a cron job that runs /usr/local/bin/alert.sh every minute but redirects all output and errors to /dev/null.
26. As the root user, identify which cron jobs failed to execute by checking the appropriate log file.
27. Create a cron job that runs /usr/local/bin/sync.sh every 15 minutes.
28. Schedule a cron job to run /usr/local/bin/update\_db.sh at 6:10 AM on weekdays (Monday to Friday).
29. Schedule a cron job for the user deepak that runs /usr/local/bin/holiday.sh on December 25 at 8:00 AM.
30. Temporarily disable all cron jobs for the user ajay without deleting them.