

Basic Level Cron Job Practical Questions

1. Schedule a message to display every minute

Create a cron job that writes "Hello Linux World" into `/home/student/cron_test.txt` every minute.

2. Automated file backup

Schedule a cron job that copies the file `/home/student/data.txt` to `/home/student/backup/data.txt` every day at 10 AM.

3. Create a cron job to shutdown system

Schedule a cron job that powers off the system daily at 11:30 PM.

4. Schedule a job to clear cache

Write a cron job to run the command `sync; echo 3 > /proc/sys/vm/drop_caches` every 6 hours.

5. Display date and time

Create a cron job that appends current date and time to a log file every hour.

6. Automate package update

Schedule a cron job that runs `dnf update -y` (or `apt update && apt upgrade -y`) every Sunday at 1:00 AM.

7. Create a cron job to monitor disk usage

Schedule a cron job to save the output of `df -h` to `/var/log/disk_usage.log` every day at 9 AM.

8. Log users currently logged in

Create a cron job to write the output of `who` to `/home/student/logged_users.log` every 15 minutes.

9. Create cron job for archiving

Archive the `/home/student/documents/` folder into `/home/student/archives/documents_backup.tar.gz` every Monday at 3 AM.

10. Delete old logs

Create a cron job to delete all `.log` files older than 7 days from `/home/student/logs/` folder every night at 1:00 AM.