

Task 6: Crontab PracticeTask 6: Crontab Practice

1. Open crontab editor for `studentuser` :

crontab -e

2. Add the 3 cron jobs at the bottom:

0 8 * * * echo "Good morning!" >> /home/studentuser/greeting.txt

**0 0 * * 0 tar -czf /home/studentuser/projectX_backup_\$(date +%F).tar.gz
/home/studentuser/projectX**

**0 0 * * 5 find /home/studentuser/projectX -type f -name "*.log" -mtime +7 -
delete**

3. Check if your cron jobs are running:

*** * * * * echo "cron test \$(date)" >> /home/studentuser/test_cron.txt**

4. check the file after a minute:

cat /home/studentuser/test_cron.txt

```
hari@kali: ~  
studentuser@kali: ~  
studentuser@kali: /home/hari  
hari@kali: ~  
(hari@kali)-[~]  
$ crontab -e  
crontab: installing new crontab  
(hari@kali)-[~]  
$ grep CRON /var/log/syslog  
grep: /var/log/syslog: No such file or directory  
(hari@kali)-[~]  
$ * * * * * echo "cron test $(date)" >> /home/studentuser/test_cron.txt  
zsh: permission denied: /home/studentuser/test_cron.txt  
(hari@kali)-[~]  
$ * * * * * echo "cron test $(date)" >> /home/hari/test_cron.txt  
Desktop: command not found  
(hari@kali)-[~]  
$ crontab -e  
crontab: installing new crontab  
(hari@kali)-[~]  
$ cat /home/hari/test_cron.txt  
(hari@kali)-[~]  
$ cat /home/hari/test_cron.txt  
cron test Sun Jul 27 11:57:01 PM EDT 2025  
(hari@kali)-[~]  
$
```

Conclusion: Task 6 involved creating three cron jobs to automate routine tasks: displaying a morning greeting at 8 AM, backing up the project directory every Sunday, and deleting `.log` files older than 7 days every Friday at midnight. This task reinforced the use of `cron` for time-based automation in Linux.