

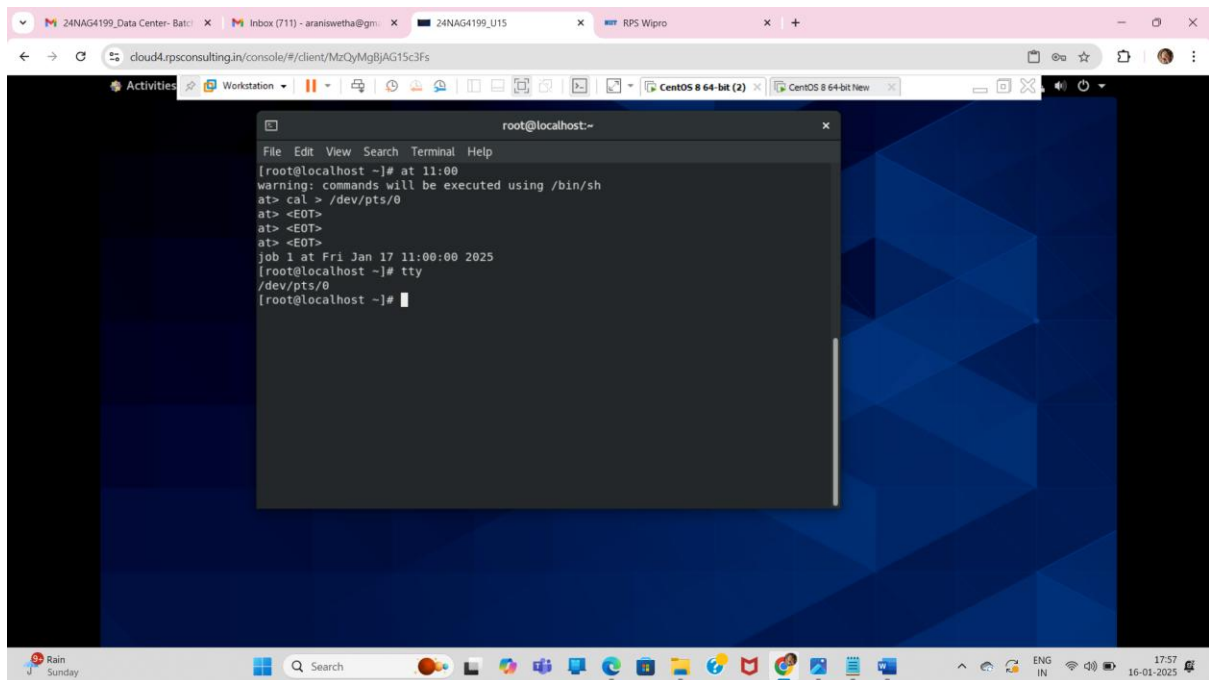
LINUX ASSIGNMENT

Q. 1. SCHEDULE A JOB TO PRINT THE CAL AT 11:00 AM

2. SCHEDULE A JOB TO PRINT "TAKE BACKUP" EVERY SATURDAY @6PM.

3. DISPLAY ALL THE CRON JOBS SCHEDULED.

ANSWER: 1.

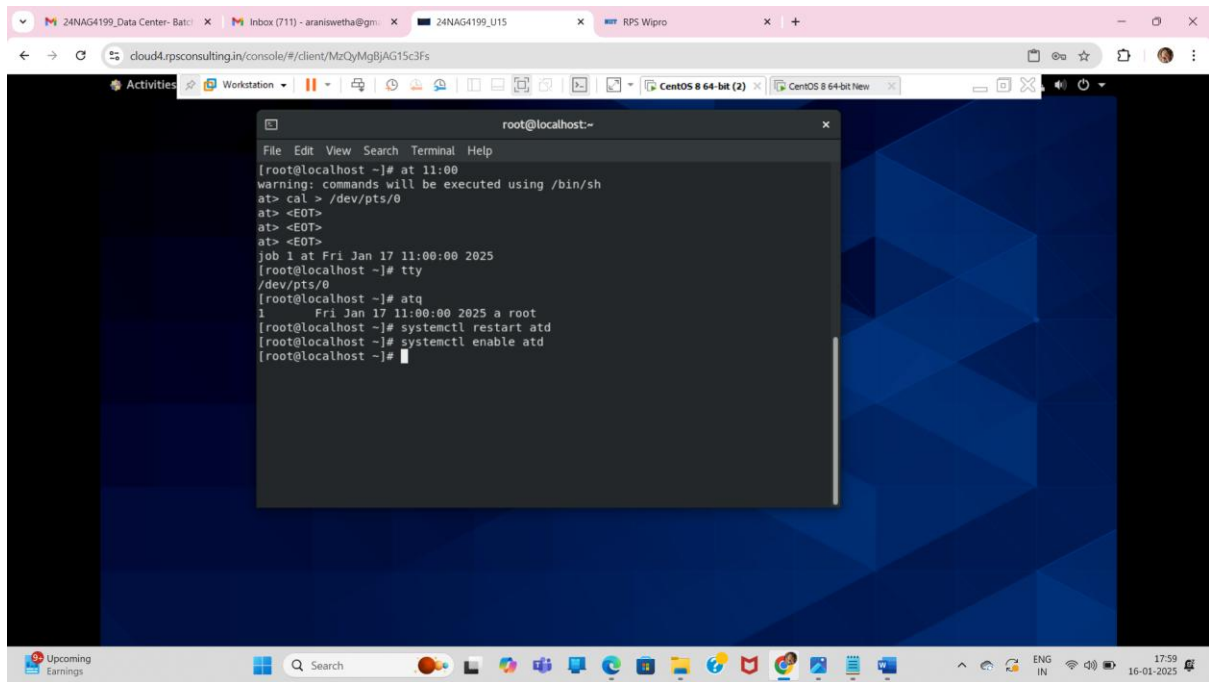


The screenshot shows a terminal window titled 'root@localhost:~' with the following commands and output:

```
File Edit View Search Terminal Help
[root@localhost ~]# at 11:00
warning: commands will be executed using /bin/sh
at> cal > /dev/pts/0
at> <EOT>
at> <EOT>
at> <EOT>
job 1 at Fri Jan 17 11:00:00 2025
[root@localhost ~]# tty
/dev/pts/0
[root@localhost ~]#
```

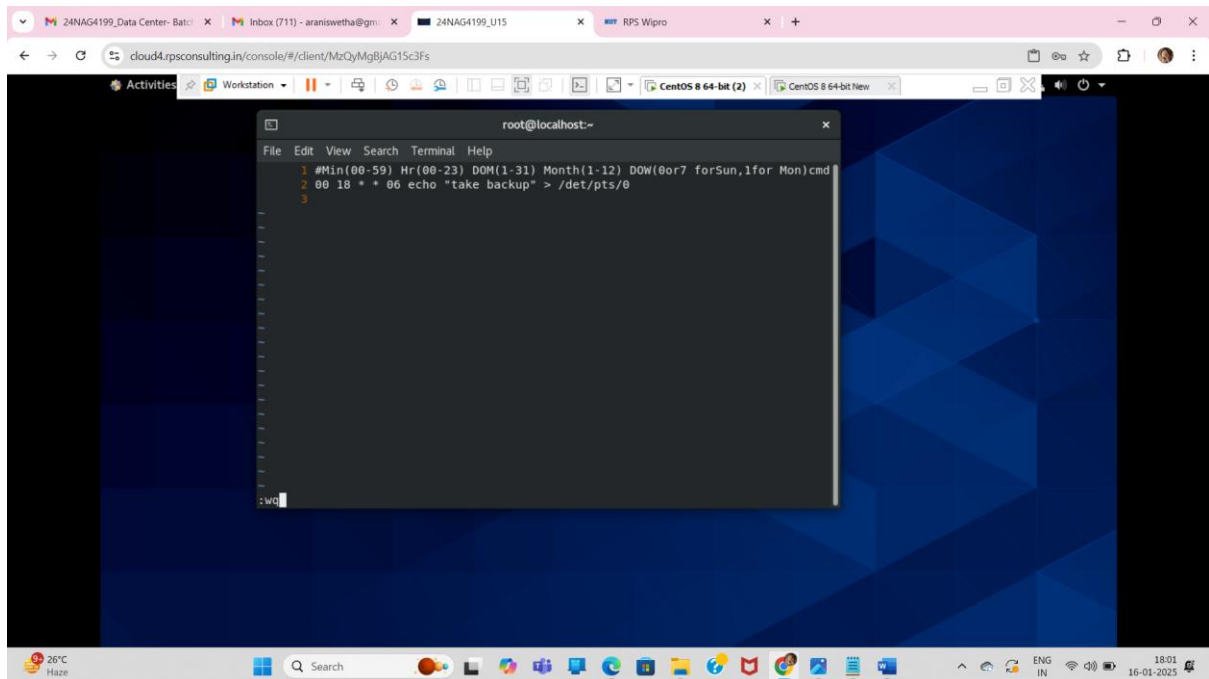
The terminal window is open on a desktop environment with a blue geometric background. The desktop has a taskbar at the bottom with various application icons and system status indicators. The system clock shows 17:57 on 16-01-2025.

WIPRO ASSIGNMENT - 10



A screenshot of a terminal window titled 'root@localhost~' showing the following commands and output:

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File Edit View Search Terminal Help
[root@localhost ~]# at 11:00
warning: commands will be executed using /bin/sh
at> cal > /dev/pts/0
at> <EOT>
at> <EOT>
at> <EOT>
job 1 at Fri Jan 17 11:00:00 2025
[root@localhost ~]# tty
/dev/pts/0
[root@localhost ~]# atq
1      Fri Jan 17 11:00:00 2025 a root
[root@localhost ~]# systemctl restart atd
[root@localhost ~]# systemctl enable atd
[root@localhost ~]#
```

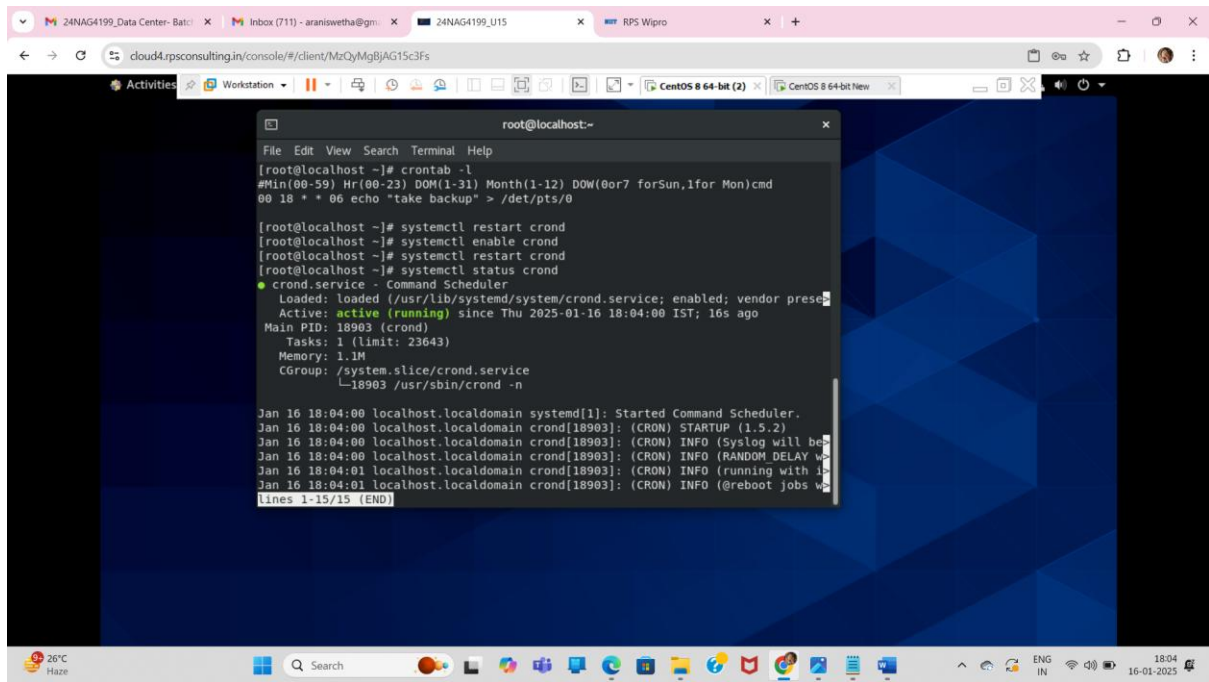


A screenshot of a terminal window titled 'root@localhost~' showing the following commands and output:

```
File Edit View Search Terminal Help
1 #Min(00-59) Hr(00-23) DOM(1-31) Month(1-12) DOW(0or7 forSun,1for Mon)cmd
2 00 18 * * 06 echo "take backup" > /dev/pts/0
3
:wg
```

2.

WIPRO ASSIGNMENT - 10



The screenshot shows a terminal window titled 'root@localhost~' with the following commands and output:

```
[root@localhost ~]# crontab -l
#Min(00-59) Hr(00-23) DOM(1-31) Month(1-12) DOW(0or7 forSun,1for Mon)cmd
00 18 * * 06 echo "take backup" > /det/pts/0

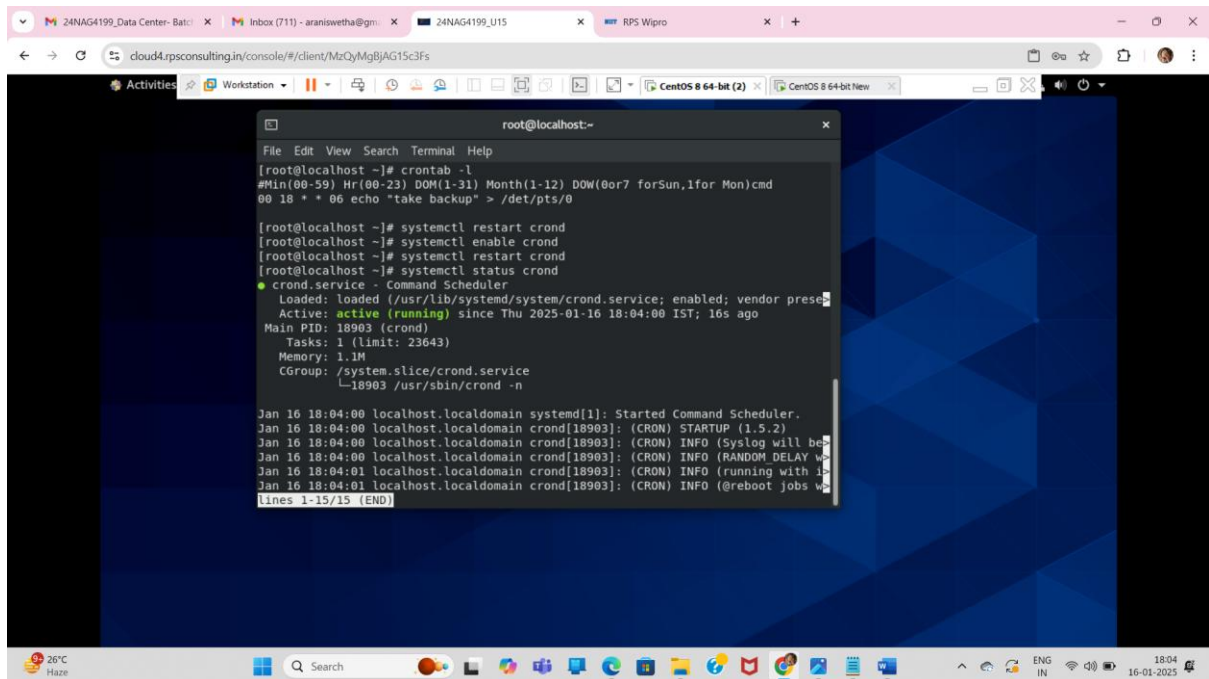
[root@localhost ~]# systemctl restart crond
[root@localhost ~]# systemctl enable crond
[root@localhost ~]# systemctl restart crond
[root@localhost ~]# systemctl status crond
```

The status output for 'crond.service - Command Scheduler' is as follows:

```
Loaded: loaded (/usr/lib/systemd/system/crond.service; enabled; vendor preset: enabled)
Active: active (running) since Thu 2025-01-16 18:04:00 IST; 16s ago
Main PID: 18903 (crond)
Tasks: 1 (limit: 23643)
Memory: 1.1M
CGroup: /system.slice/crond.service
└─18903 /usr/sbin/crond -n
```

The journal log shows the following messages:

```
Jan 16 18:04:00 localhost.localdomain systemd[1]: Started Command Scheduler.
Jan 16 18:04:00 localhost.localdomain crond[18903]: (CRON) STARTUP (1.5.2)
Jan 16 18:04:00 localhost.localdomain crond[18903]: (CRON) INFO (Syslog will be used)
Jan 16 18:04:00 localhost.localdomain crond[18903]: (CRON) INFO (RANDOM_DELAY will be calculated with gettimeofday)
Jan 16 18:04:01 localhost.localdomain crond[18903]: (CRON) INFO (running with system id=1)
Jan 16 18:04:01 localhost.localdomain crond[18903]: (CRON) INFO (@reboot jobs will be processed)
```



The screenshot shows a terminal window titled 'root@localhost~' with the following commands and output:

```
[root@localhost ~]# crontab -l
#Min(00-59) Hr(00-23) DOM(1-31) Month(1-12) DOW(0or7 forSun,1for Mon)cmd
00 18 * * 06 echo "take backup" > /det/pts/0

[root@localhost ~]# systemctl restart crond
[root@localhost ~]# systemctl enable crond
[root@localhost ~]# systemctl restart crond
[root@localhost ~]# systemctl status crond
```

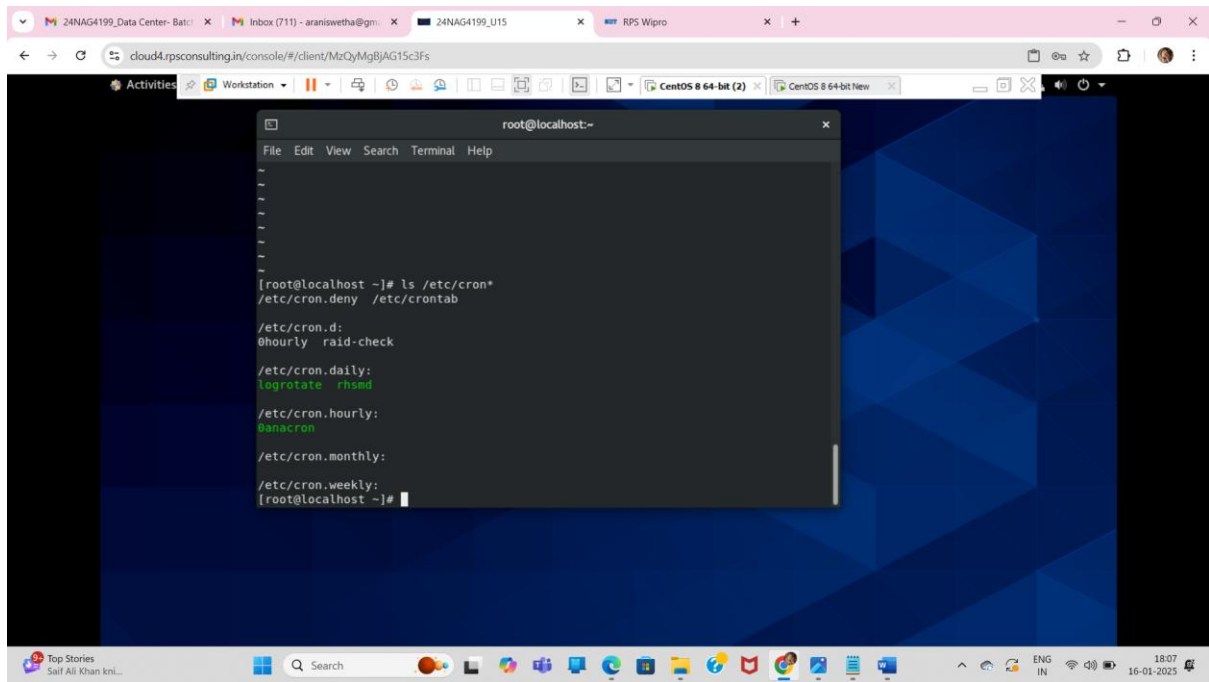
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WIPRO ASSIGNMENT - 10



A screenshot of a terminal window titled 'root@localhost~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

```
[root@localhost ~]# ls /etc/cron*
/etc/cron.deny /etc/crontab

/etc/cron.d:
0hourly raid-check

/etc/cron.daily:
logrotate rnsad

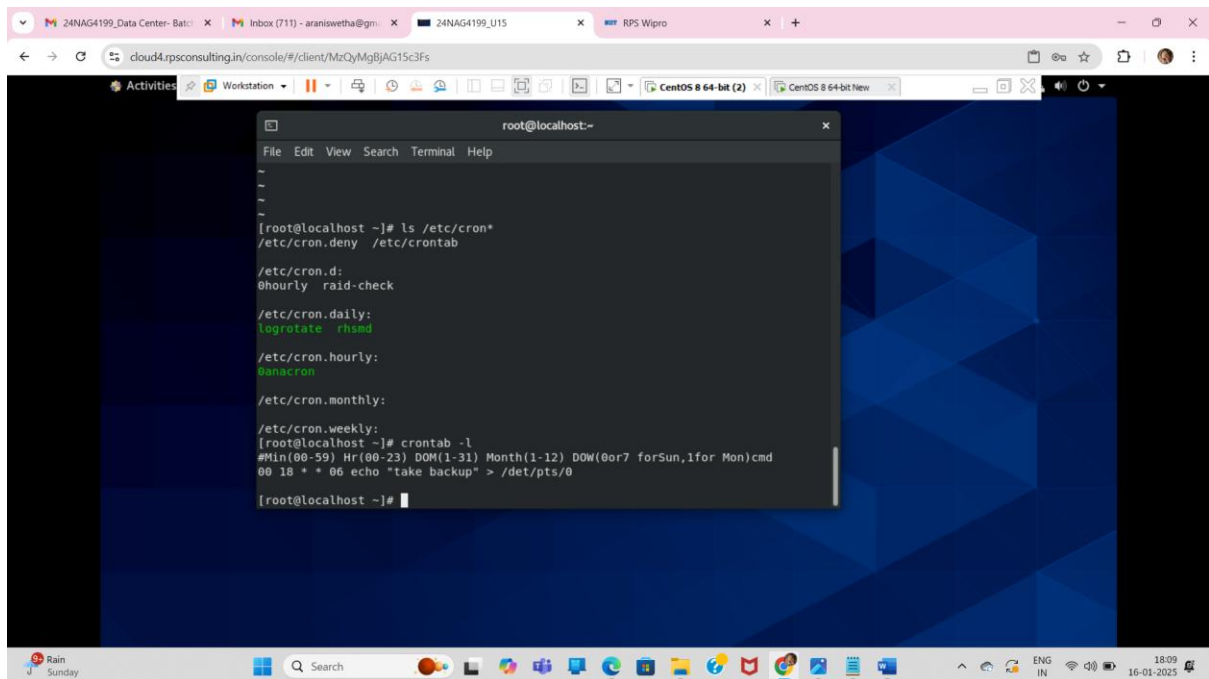
/etc/cron.hourly:
@anacron

/etc/cron.monthly:

/etc/cron.weekly:
[root@localhost ~]#
```

The terminal is overlaid on a desktop environment with a blue geometric wallpaper. The taskbar at the bottom shows various application icons and system status information including 'ENG IN', '16-01-2025', and '18:07'.

3.



A screenshot of a terminal window titled 'root@localhost~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

```
[root@localhost ~]# ls /etc/cron*
/etc/cron.deny /etc/crontab

/etc/cron.d:
0hourly raid-check

/etc/cron.daily:
logrotate rnsad

/etc/cron.hourly:
@anacron

/etc/cron.monthly:

/etc/cron.weekly:
[root@localhost ~]# crontab -l
#min(00-59) Hr(00-23) DOM(1-31) Month(1-12) DOW(0or7 forSun,1for Mon)cmd
00 18 * * 06 echo "take backup" > /det/pts/0
[root@localhost ~]#
```

The terminal is overlaid on a desktop environment with a blue geometric wallpaper. The taskbar at the bottom shows various application icons and system status information including 'Rain Sunday', 'ENG IN', '16-01-2025', and '18:09'.