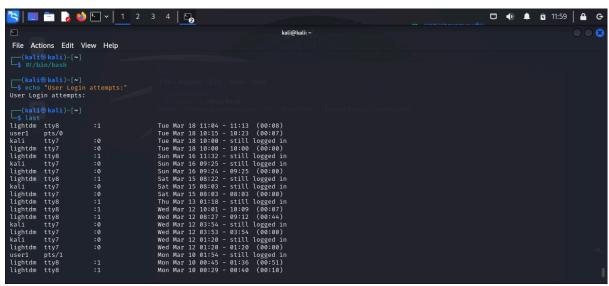
## PoC Task 5: Automated Security Auditing ℰ Scripting

- 1) Setup
- 1.1) Write a Bash script for security auditing:
- #!/bin/bash

echo "User login attempts:"

last



echo "Running services:"

systemctl list-units --type=service

```
| Image: Comparison | Imag
```

echo "Disk usage:"

df -h

1.2) Save as security\_audit.sh and make executable: chmod +x security\_audit.sh

2) Exploit

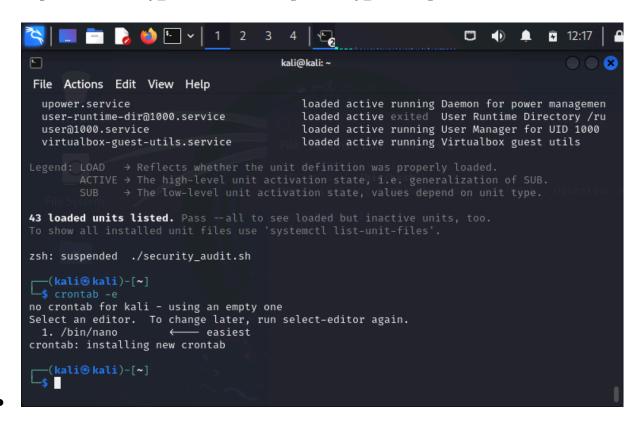
Run the script and analyze security weaknesses:

./security audit.sh



```
| Red | Red
```

- 3) Mitigation
- 3.1) Automate via cron:
- crontab -e
- # Add:
- o o \* \* \* /path/to/security\_audit.sh > /var/log/security\_audit.log



3.2) Send alerts for failed SSH logins: tail -f /var/log/auth.log | grep "Failed password"