**JOHN AAROMAL**

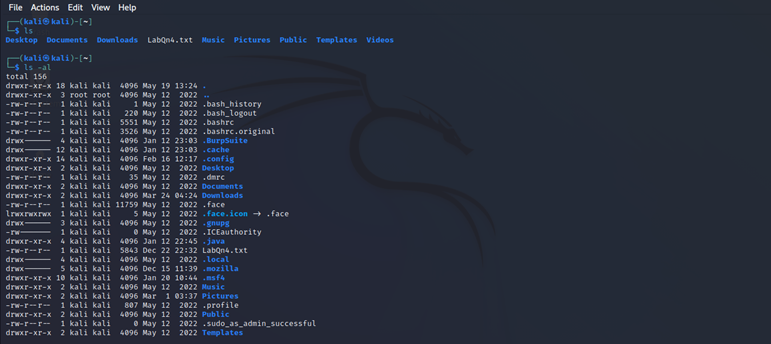
**20MIS0177**

**VIT-VELLORE**

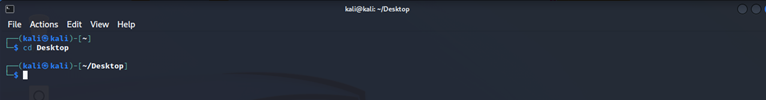
**Title: Linux Command List Assessment**

**File and Directory Operations:**

ls: List files and directories



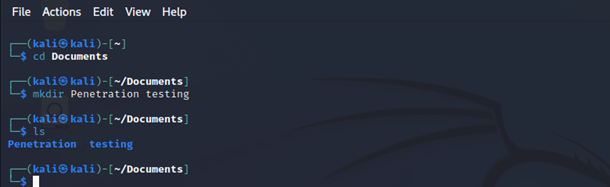
cd: Change directory



pwd: Print working directory



mkdir: Make directory



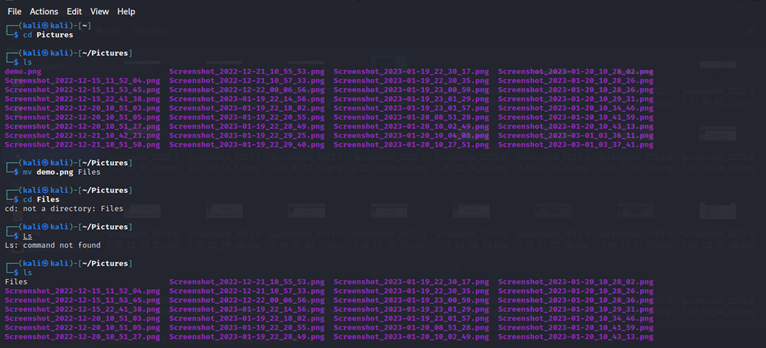
touch: Create an empty file



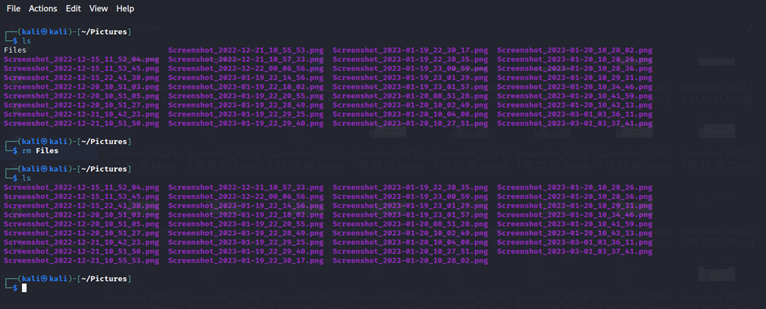
cp: Copy files and directories



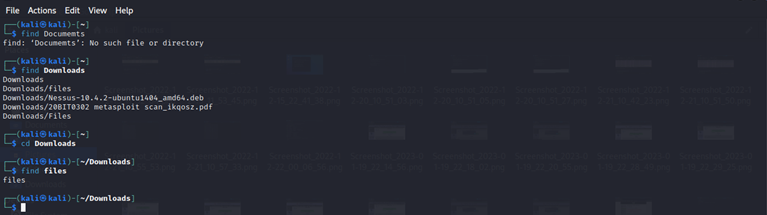
mv: Move or rename files and directories



rm: Remove files and directories



find: Search for files and directories

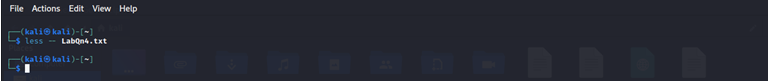


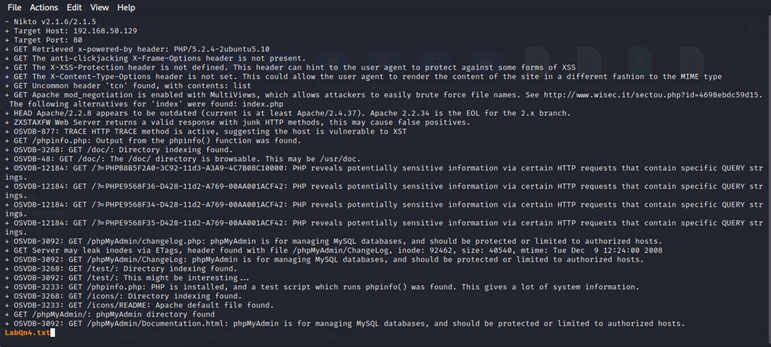
**File Viewing and Editing:**

cat: Concatenate and display file content



less: View file content with pagination

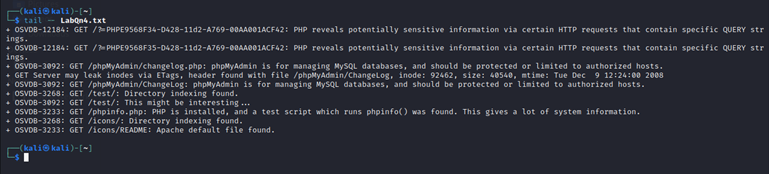




head: Display the beginning of a file

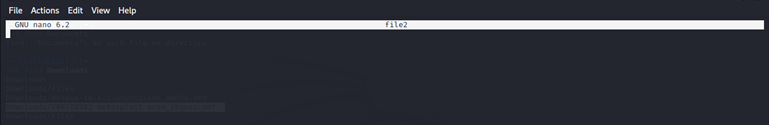


tail: Display the end of a file

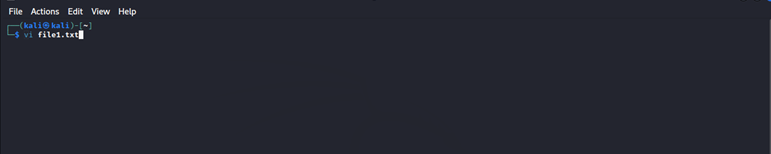


nano: Text editor for creating and editing files





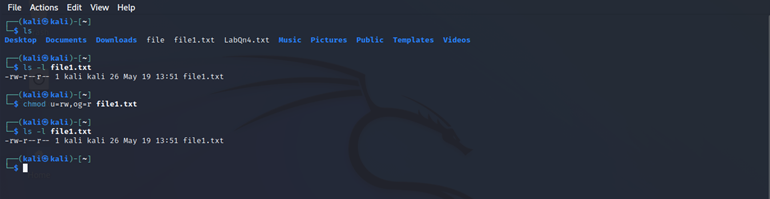
vi/vim: Powerful text editor for experienced users



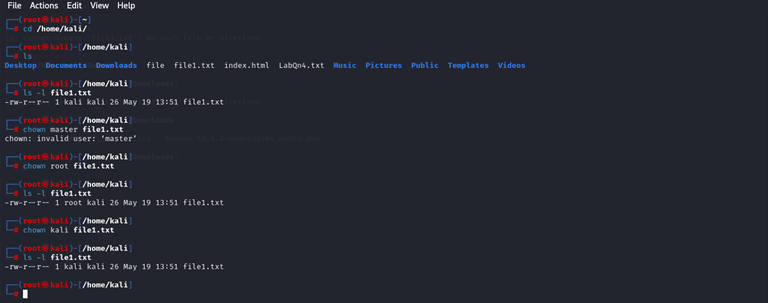


**File Permissions:**

chmod: Change file permissions



chown: Change file owner

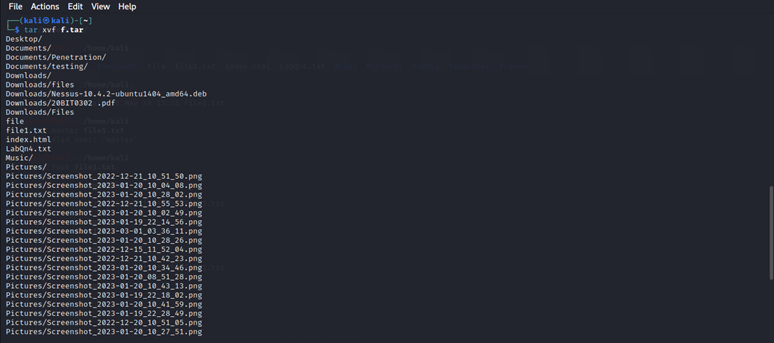


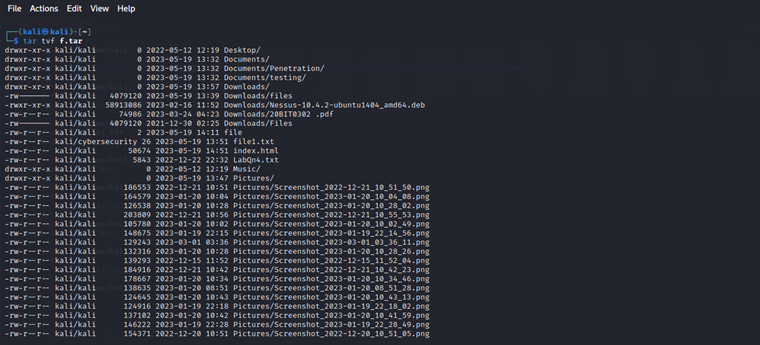
chgrp: Change file group



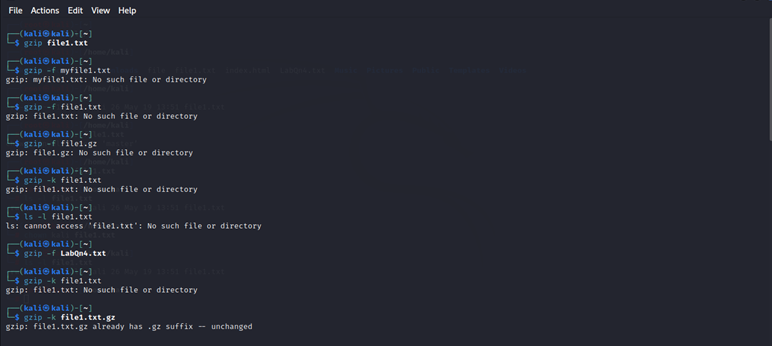
**File Compression and Archiving:**

tar: Archive files

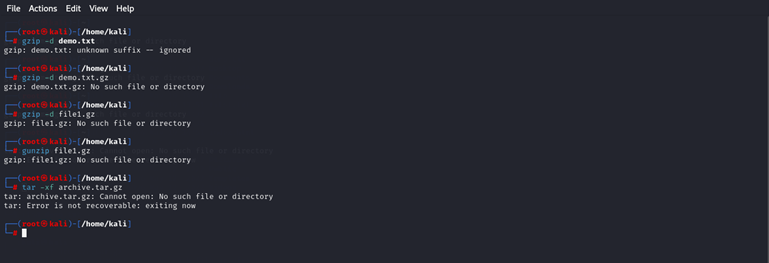




gzip: Compress files



unzip: Extract files from a ZIP archive



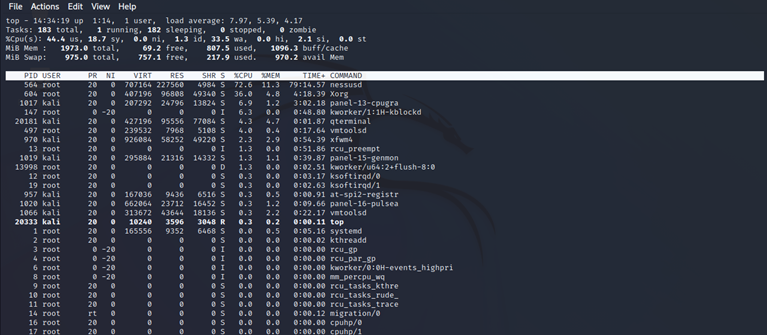
**Process Management:**

ps: List running processes



top: Display real-time system information and processes





kill: Terminate processes



bg: Run processes in the background



fg: Bring background processes to the foreground



**System Information:**

uname: Print system information

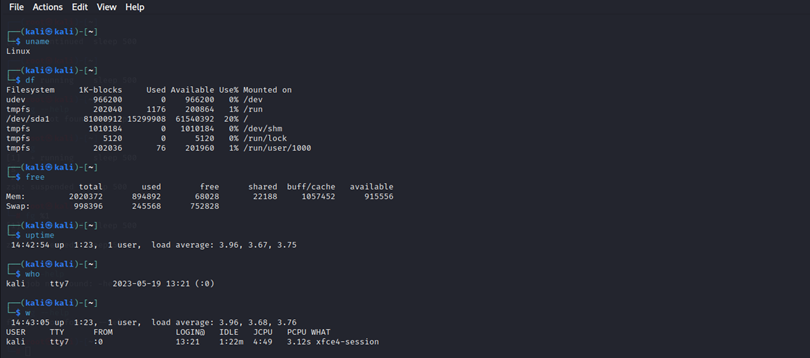
df: Display disk space usage

free: Display memory usage

uptime: Show system uptime

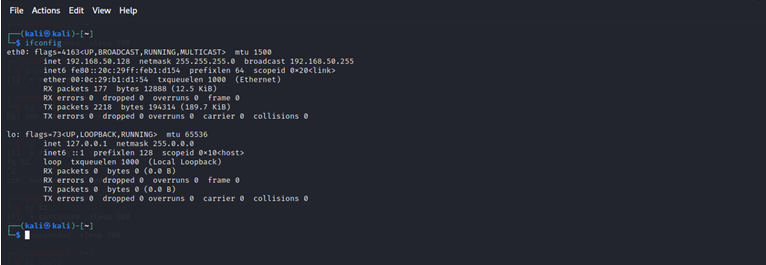
who: Display logged-in users

w: Display logged-in users and their activities

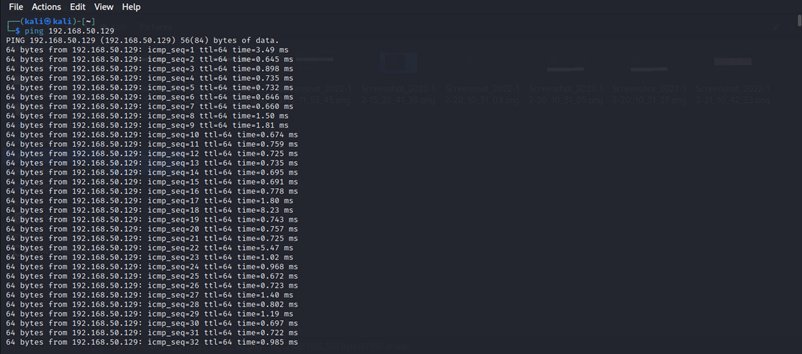


**Networking:**

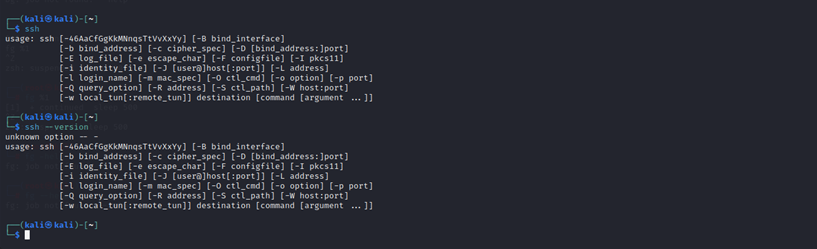
ifconfig: Configure network interfaces



ping: Send ICMP echo requests to a network host



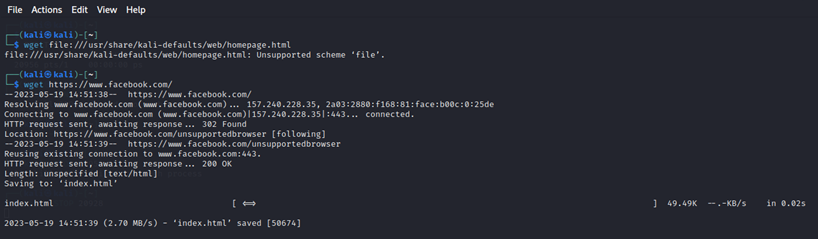
ssh: Securely connect to a remote system



scp: Securely copy files between systems

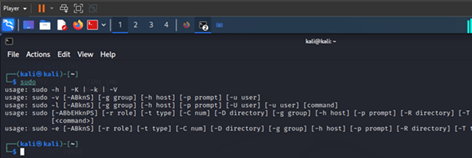


wget: Download files from the web

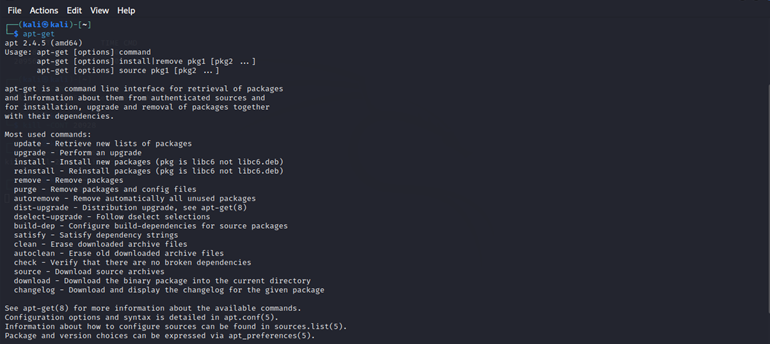


**System Administration:**

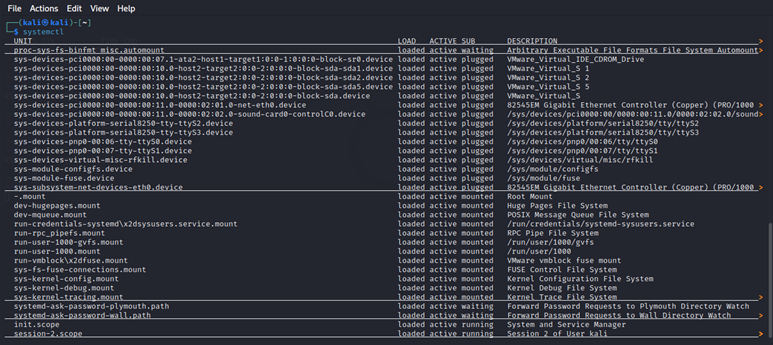
sudo: Execute commands with superuser privileges



apt-get: Package management for Debian-based distributions

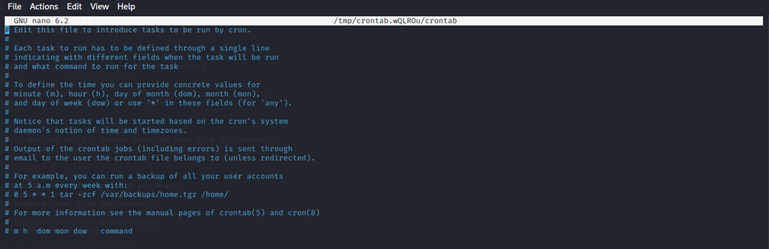


systemctl: Manage system services

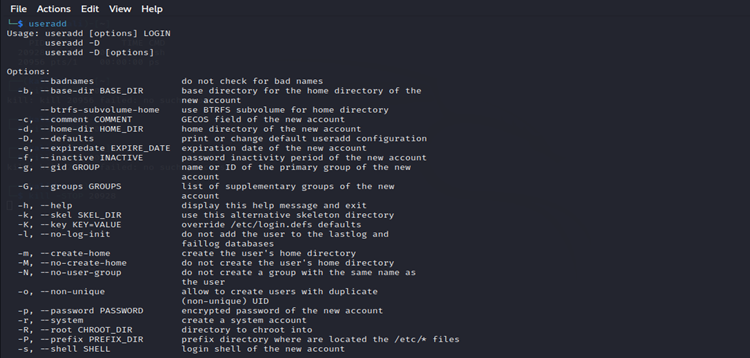


crontab: Schedule recurring tasks





useradd: Add a new user



passwd: Change user password

