**Title: Linux Command List Assessment**

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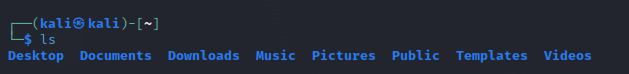
**Date:** 19-05-2023

**Regs\_No:** 20BCN7025

**Campus:** VIT-AP

**File and Directory Operations:**

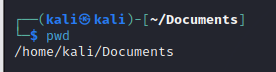
**ls:** List files and directories



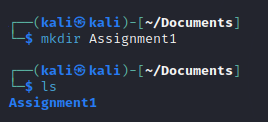
cd: Change directory



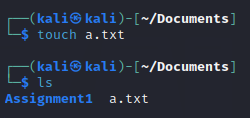
pwd: Print working directory



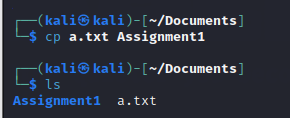
mkdir: Make directory



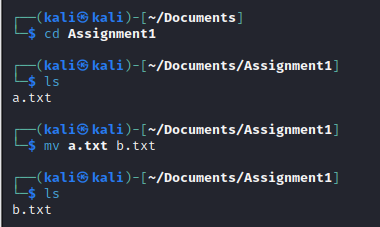
touch: Create an empty file



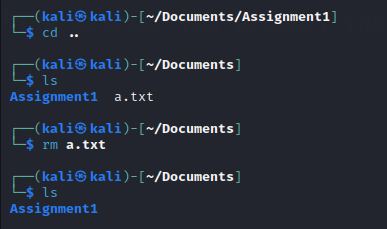
cp: Copy files and directories



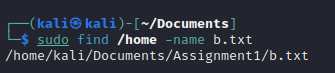
mv: Move or rename files and directories



rm: Remove files and directories

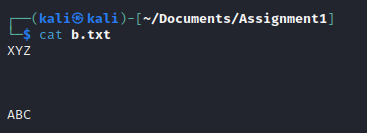


find: Search for files and directories



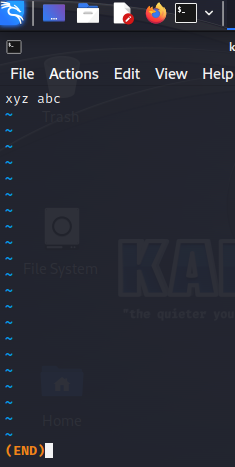
**File Viewing and Editing:**

cat: Concatenate and display file content

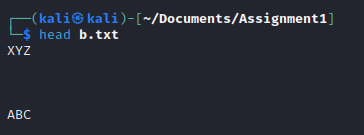


less: View file content with pagination



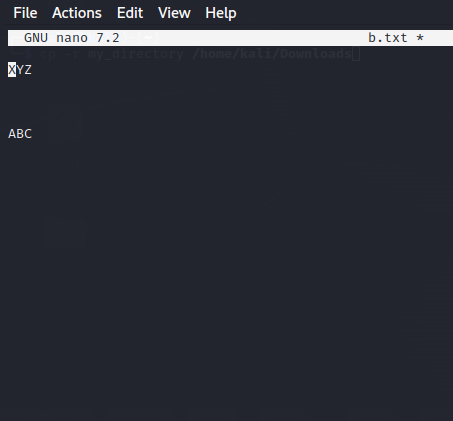


head: Display the beginning of a file

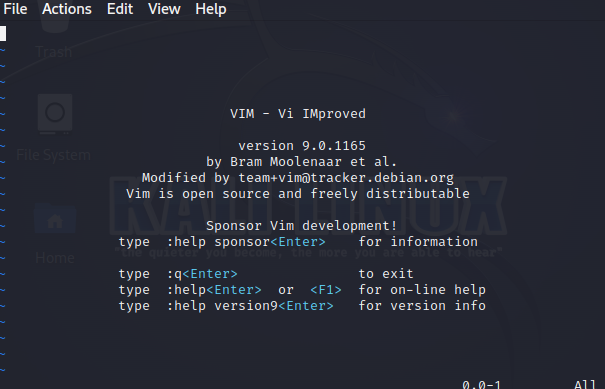


nano: Text editor for creating and editing files





vi/vim: Powerful text editor for experienced users

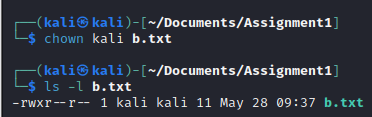


**File Permissions:**

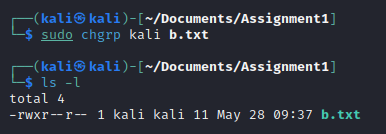
chmod: Change file permissions



chown: Change file owner

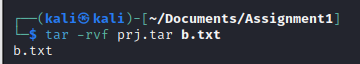


chgrp: Change file group



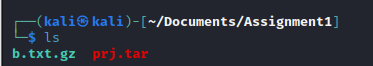
**File Compression and Archiving:**

tar: Archive files

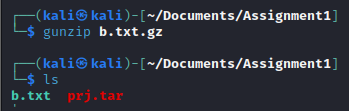


gzip: Compress files



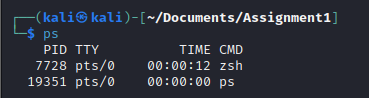


unzip: Extract files from a ZIP archive

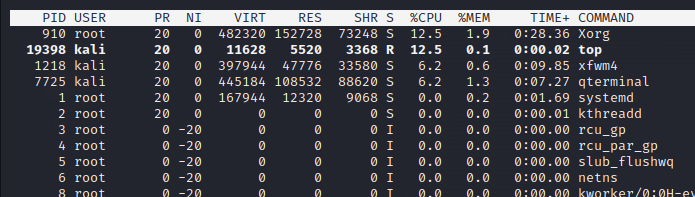
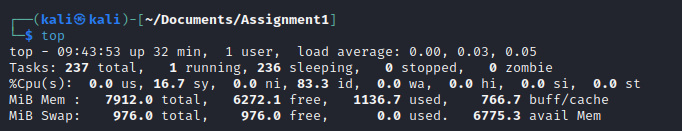


**Process Management:**

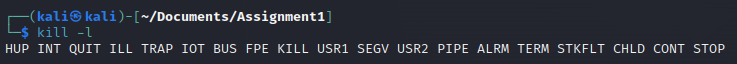
ps: List running processes



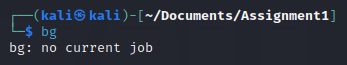
top: Display real-time system information and processes



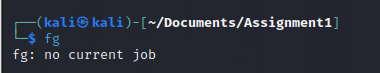
Kill: Terminate processes



bg: Run processes in the background

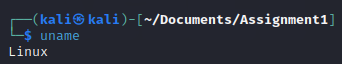


fg: Bring background processes to the foreground

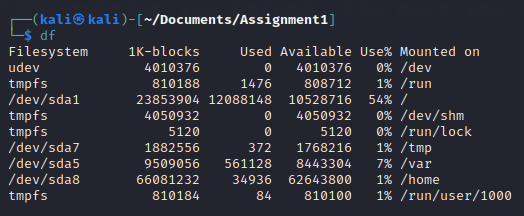


**System Information:**

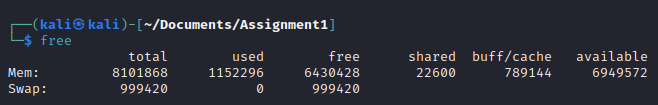
uname: Print system information



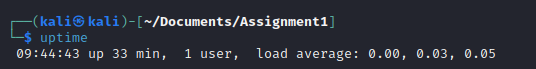
df: Display disk space usage



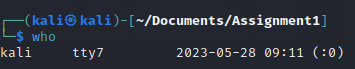
free: Display memory usage



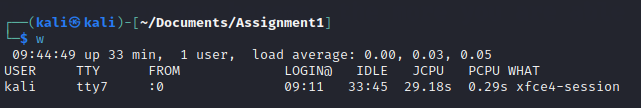
uptime: Show system uptime



who: Display logged-in users

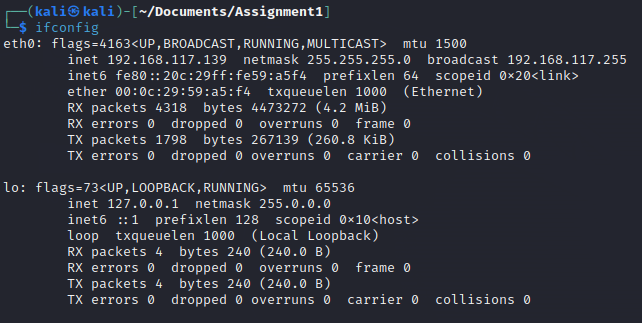


w: Display logged-in users and their activities

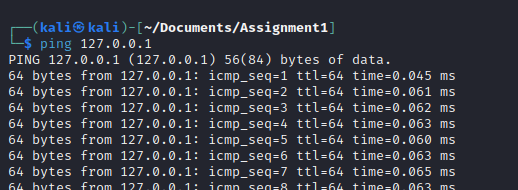


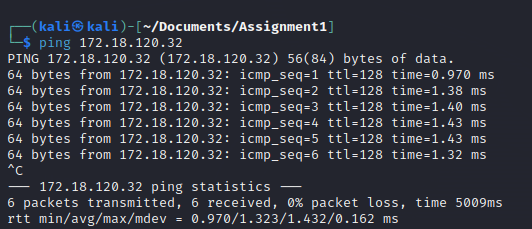
**Networking:**

ifconfig: Configure network interfaces

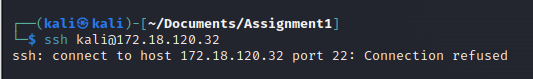


ping: Send ICMP echo requests to a network host

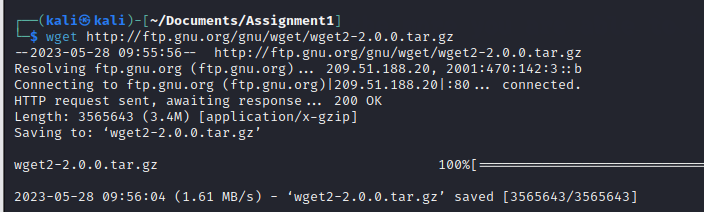




ssh: Securely connect to a remote system

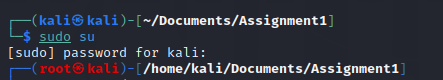


wget: Download files from the web

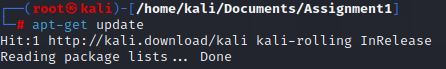


**System Administration:**

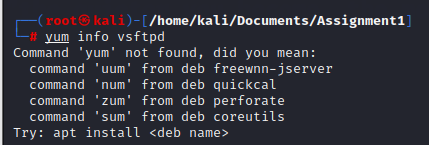
sudo: Execute commands with superuser privileges



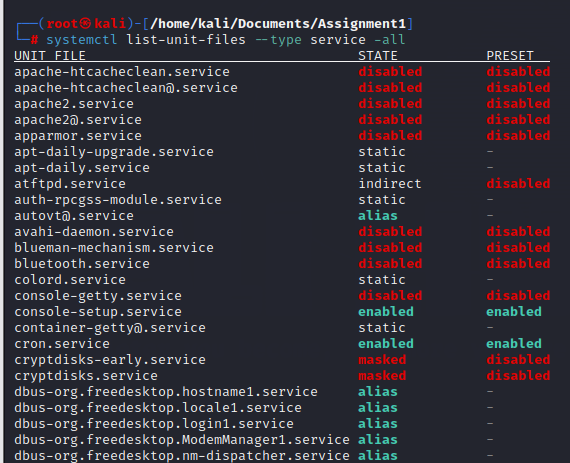
apt-get: Package management for Debian-based distributions



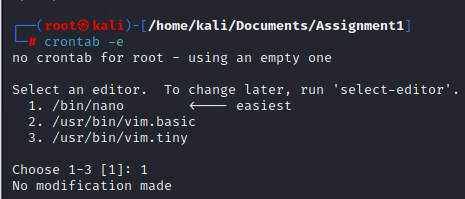
yum: Package management for Red Hat-based distributions



systemctl: Manage system services

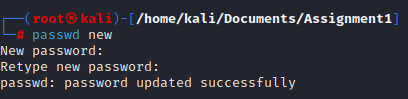


crontab: Schedule recurring tasks



useradd: Add a new user





passwd: Change user password

