**Title: Linux Command List Assessment**

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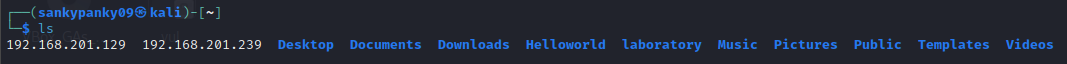
**Date:** 28-05-2023

**Regs\_No:** 20BCN7012

**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

A screen shot of a computer

Description automatically generated with medium confidence

mv: Move or rename files and directories

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rm: Remove files and directories

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find: Search for files and directories

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**File Viewing and Editing:**

cat: Concatenate and display file content



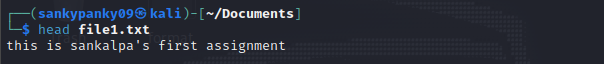
less: View file content with pagination



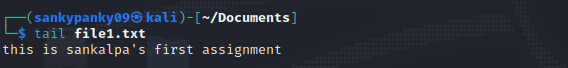
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head: Display the beginning of a file



tail: Display the end of a file



nano: Text editor for creating and editing files



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vi/vim: Powerful text editor for experienced users

A screen shot of a computer

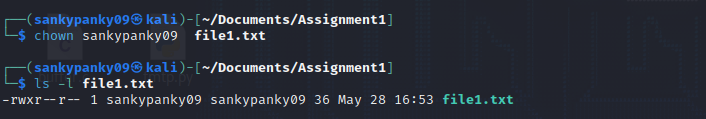
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**File Permissions:**

chmod: Change file permissions



chown: Change file owner



chgrp: Change file group

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**File Compression and Archiving:**

tar: Archive files



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gzip: Compress files



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unzip: Extract files from a ZIP archive



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**Process Management:**

ps: List running processes

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top: Display real-time system information and processes



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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

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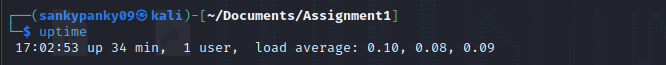
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free: Display memory usage

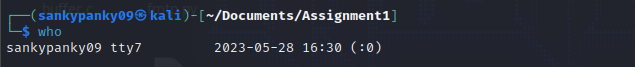
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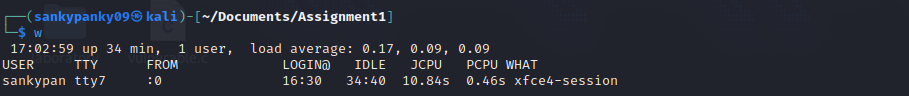
uptime: Show system uptime



who: Display logged-in users

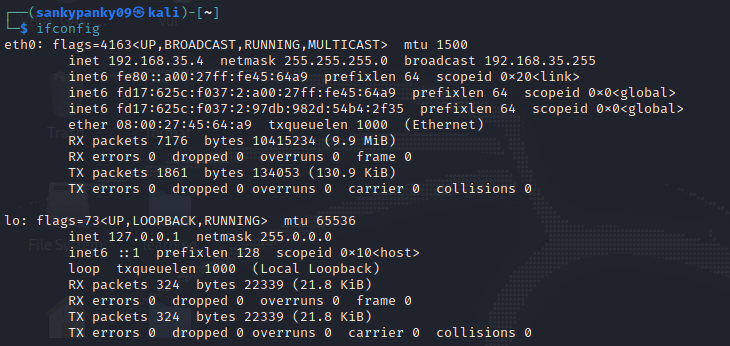


w: Display logged-in users and their activities



**Networking:**

ifconfig: Configure network interfaces



ping: Send ICMP echo requests to a network host

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ssh: Securely connect to a remote system

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Description automatically generated with medium confidence

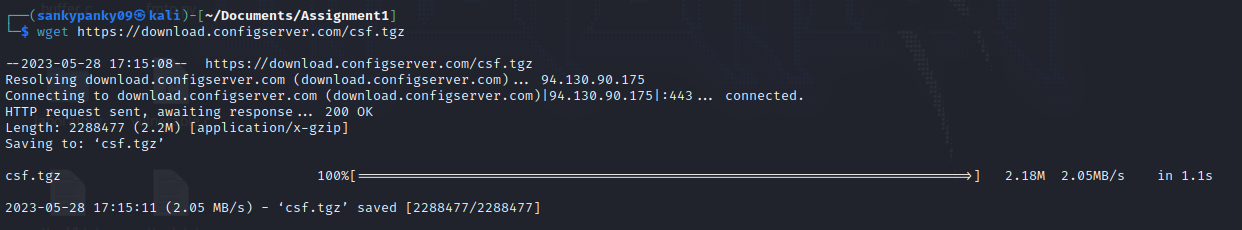
scp: Securely copy files between systems



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wget: Download files from the web



**System Administration:**

sudo: Execute commands with superuser privileges

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apt-get: Package management for Debian-based distributions

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yum: Package management for Red Hat-based distributions

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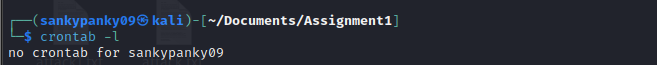
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systemctl: Manage system services

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crontab: Schedule recurring tasks



useradd: Add a new user

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passwd: Change user password

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