**Basic Commands**

Here’s a compilation of useful Unix commands categorized by their functionality, along with some **funny and quirky commands** that you might find amusing or surprising. Each command includes a brief explanation and example.

**Basic Commands**

**1. File and Directory Management**

* **ls**: List files and directories.

bash

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ls -la # List all files, including hidden ones, with details.

* **cd**: Change directory.

bash

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cd /home/user/Documents # Navigate to Documents directory.

* **mkdir**: Create a new directory.

bash

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mkdir new\_folder # Creates a folder named "new\_folder".

* **rm**: Remove files or directories.

bash

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rm file.txt # Deletes "file.txt".

rm -rf folder/ # Deletes a directory and its contents.

**2. File Operations**

* **cat**: Display file contents.

bash

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cat file.txt # Outputs the contents of "file.txt".

* **touch**: Create an empty file.

bash

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touch newfile.txt # Creates "newfile.txt".

* **cp**: Copy files or directories.

bash

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cp source.txt dest.txt # Copies source.txt to dest.txt.

* **mv**: Move or rename files.

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mv oldname.txt newname.txt # Renames a file.

**3. Viewing and Searching**

* **less**: View file contents one page at a time.

bash

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less bigfile.txt # Opens "bigfile.txt" in a scrollable viewer.

* **grep**: Search for patterns in files.

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grep "error" logfile.txt # Finds lines containing "error" in logfile.txt.

* **find**: Locate files in a directory.

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find / -name "\*.txt" # Finds all .txt files.

**4. System Information**

* **whoami**: Display the current username.

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whoami # Outputs your username.

* **uname**: Display system information.

bash

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uname -a # Shows all system details.

* **uptime**: Show how long the system has been running.

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uptime # Outputs system uptime and load averages.

**5. Networking**

* **ping**: Check connectivity to a host.

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ping google.com # Pings Google's server.

* **curl**: Transfer data from URLs.

bash

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curl https://example.com # Fetches the content of a URL.

**Funny Unix Commands**

**1. sl: For when you mistype ls!**

* Instead of showing files, it runs a train animation on your screen.

bash

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sl # Watch a train choo-choo across your terminal!

*(Install: sudo apt install sl on Ubuntu.)*

**2. cowsay: Make a cow say something.**

* Displays text inside a speech bubble with a cow ASCII art.

bash

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cowsay "Hello, Unix!"

*(Install: sudo apt install cowsay.)*

**3. fortune: Get a random fortune.**

* Displays a random witty, philosophical, or humorous quote.

bash

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fortune

*(Install: sudo apt install fortune.)*