

Bash Commands Cheat Sheet

File & Directory Management

Command	Description
ls	List files in directory
ls -l	List with details
ls -a	Show hidden files
pwd	Show current directory
cd <folder>	Change directory
cd ..	Go up one directory
mkdir <name>	Create a new folder
rm <file>	Delete a file
rm -r <folder>	Delete folder and its contents

File Operations

Command	Description
touch <file>	Create empty file
cp <source> <dest>	Copy file or folder
mv <old> <new>	Move or rename file
cat <file>	Show file content
head <file>	First 10 lines of file
tail <file>	Last 10 lines of file
echo "text" > file	Write text to file
echo "text" >> file	Append text to file

Searching & Finding

Command	Description
find . -name "*.txt"	Find `.txt` files
grep "word" <file>	Search for "word" in file
grep -r "word" .	Search recursively in all files

System Info

Command	Description
whoami	Show current user
hostname	Show system name
uptime	System uptime
top	Show running processes
df -h	Disk space usage
du -sh *	Size of all files/folders

Networking

Command	Description
ping google.com	Test connection
curl ifconfig.me	Get public IP
wget <URL>	Download file from web

Permissions

Command	Description
chmod +x <file>	Make file executable
chmod 644 <file>	Change file permissions
chown user <file>	Change file owner

Process Control

Command	Description
ctrl + c	Stop process
ctrl + z	Pause process
jobs	Show paused jobs
fg	Resume job in foreground
bg	Resume job in background
kill <PID>	Kill process

Simple Bash Script Example:

```
#!/bin/bash  
echo "Hello, World!"
```

Save as script.sh and run with:

```
bash script.sh
```