**ls** - List directory contents

ls -l

**cd** - Change directory

cd /home/user

**pwd** - Print working directory

pwd

**mkdir** - Make directories

mkdir new\_directory

**rmdir** - Remove empty directories

rmdir empty\_directory

**rm** - Remove files or directories

rm file.txt

**cp** - Copy files and directories

cp source.txt destination.txt

**mv** - Move/rename files and directories

mv oldname.txt newname.txt

**touch** - Create an empty file or update the timestamp

touch newfile.txt

**cat** - Concatenate and display file content

cat file.txt

**echo** - Display message on screen

echo "Hello, World!"

**find** - Search for files in a directory hierarchy

find /home/user -name "filename"

**top** - Display Linux tasks

top

**kill** - Send a signal to a process

kill 1234

**man** - Format and display the on-line manual pages

man ls

**s** - OpenS S client (remote login program)

s user@hostname

**zip** - Package and compress (archive) files

zip archive.zip file1 file2

**unzip** - Extract compressed files in a ZIP archive

unzip archive.zip

**gzip** - Compress files

gzip file.txt

**gunzip** - Decompress files

gunzip file.txt.gz

**head** - Output the first part of files

head -n 10 file.txt

**tail** - Output the last part of files

tail -n 10 file.txt

**nano** - A simple text editor

nano file.txt

**vim** - Vi IMproved, a programmer's text editor

vim file.txt

**df** - Report file system disk space usage

df -h

**uname** - Print system information

uname -a

**uptime** - Tell how long the system has been running

uptime

**whoami** - Print the current user id and name

whoami

**sudo** - Execute a command as another user

sudo apt-get update

**history** - Display the command history

history

**exit** - Exit the ell

exit

**env** - Display environment variables

env

**traceroute** - Print the route packets take to the network host

traceroute example.com

**ip** - ow/manipulate routing, devices, policy routing, and tunnels

ip addr ow

**ss** - Another utility to investigate sockets

ss -tuln

**curl** - Transfer data from or to a server

curl -O http://example.com/file.txt

**dig** - DNS lookup

dig example.com

**host** - DNS lookup utility

host example.com

**nslookup** - Query Internet name servers interactively

nslookup example.com

**free** - Display amount of free and used memory in the system

free -h

**vmstat** - Report virtual memory statistics

vmstat

**iostat** - Report CPU and input/output statistics

iostat

**mpstat** - Report CPU statistics

mpstat

**sar** - Collect, report, or save system activity information

sar -u 1 3

**uptime** - Tell how long the system has been running

uptime

**strace** - Trace system calls and signals

strace -p 1234

**lsof** - List open files

lsof

**mail** - Send and receive mail

mail -s "Subject" user@example.com

**wall** - Write a message to all users

wall "System maintenance in 5 minutes."

**mesg** - Control write access to your terminal

mesg n

**write** - Send a message to another user

write user tty2

**users** - Print the user names of users currently logged in

users

**groups** - Print the groups a user is in

groups user

**id** - Print user and group information for the specified user

id user

**passwd** - Change user password