Auto (Bash) ⌄

```bash
pwd              # Print working directory
ls -l -a         # List files (detailed + hidden)
cd /path         # Change directory
cd ..            # Move up one level
mkdir test       # Create directory
rmdir test       # Remove empty directory
rm -r test       # Remove directory with files
```

Auto (Bash) ⌄

```bash
touch notes.txt           # Create empty file
cp notes.txt backup.txt   # Copy file
mv notes.txt /tmp/        # Move file
mv backup.txt notes.txt   # Rename file
rm notes.txt              # Delete file
```

Auto (Bash) ⌄

```bash
cat file.txt          # Show entire file
less file.txt         # Scroll through file
head -n 10 file.txt   # First 10 lines
tail -n 10 file.txt   # Last 10 lines
grep "error" file.txt # Search for text
```

Auto (Ruby) ⌄

```
nano file.txt          # Open file in Nano editor
vim file.txt           # Open file in Vim editor

# Vim basics:
i        # Insert mode (start typing)
Esc      # Exit insert mode
:w       # Save changes
:q       # Quit
:wq      # Save and quit
:q!      # Quit without saving
```

Auto (Bash) ⌄

```
find /home -name "*.txt"    # Search by name
locate password.txt         # Fast search (needs updatedb)
```

Auto ⌄

```
ls -l
```

Auto ⌄

```
-rwxr-xr--
```


chmod

Auto (Bash) ⌄

```
chmod 755 script.sh      # rwxr-xr-x (owner can read/write/execute)
chmod 644 file.txt       # rw-r--r-- (owner can read/write, others read only)
chmod u+x file.sh        # Add execute permission for owner
chmod g-w file.sh        # Remove write permission for group
chmod o+r file.sh        # Give read permission to others
```

chown

Auto (Bash) ⌄

```
sudo chown user file.txt        # Change file owner
sudo chown user:group file.txt  # Change owner and group
sudo chown -R user:group folder/ # Change recursively
```

chgrp

Auto ⌄

```
sudo chgrp developers file.txt   # Change group ownership only
```

Auto (Bash) ⌄

```
whoami                # Show current user
who                   # List logged-in users
id                    # Show current user's UID and groups
su - username         # Switch to another user account
passwd                # Change password for current user
sudo adduser newuser  # Add a new user (Debian/Ubuntu style)
sudo userdel username # Delete a user
sudo usermod -aG sudo username  # Add user to sudo group
sudo passwd username  # Set or change another user's password

# Group management
sudo groupadd devteam  # Create a new group
sudo groupdel devteam  # Delete a group
sudo gpasswd -a user devteam  # Add user to group
sudo gpasswd -d user devteam  # Remove user from group

groups username       # Show which groups a user belongs to
getent group devteam  # Display members of a group
```

Auto (PowerShell) ⌄

```
ps aux           # List processes
top              # Monitor CPU and memory
htop             # Better UI for top
kill <PID>       # Stop a process
```

Auto (Bash) ⌄

```
ip a                          # Show network interfaces
ping -c 4 google.com          # Test connectivity
curl -I http://example.com   # Get HTTP headers
wget https://example.com/file.zip  # Download file
scp file.txt user@host:/path/      # Securely copy file to another system
```

Auto (Bash) ⌄

```
df -h       # Disk space
du -sh *    # Folder sizes
lsblk       # List block devices
uptime      # System load averages
free -m     # Memory usage
uname -a    # System and kernel info
```

Auto (C#) ⌄

```
sudo apt update
sudo apt upgrade
sudo apt install vim
sudo apt remove vim
```

Auto (Python) ⌄

```
tar -czvf backup.tar.gz folder/   # Create compressed archive
tar -xzvf backup.tar.gz           # Extract archive
zip archive.zip file1 file2       # Create zip file
unzip archive.zip                 # Extract zip file
```

Auto (Bash) ⌄

```
crontab -e     # Edit scheduled jobs
crontab -l     # List scheduled jobs
echo "uptime" | at 22:00  # Schedule a one-time job
```

Auto (Bash) ⌄

```bash
echo "Hello"
export NAME="John"
echo $NAME
env              # Show environment variables
history          # Show command history
alias ll='ls -la' # Create shortcut command
```

Auto (Bash) ⌄

```bash
shutdown -h now     # Shutdown immediately
shutdown -r now     # Reboot immediately
shutdown -h +10     # Shutdown after 10 minutes
reboot              # Reboot the system
logout              # Logout current session
```

Auto (Bash) ⌄

```bash
man ls       # Show manual page
ls --help    # Show quick help
```