

mkdir

Definition:

Used to create a single or multiple directories

Usage:

- `mkdir + the name of the directory`

Examples:

- Create a directory in the present working directory
 - `mkdir wallpapers`
 - Create a directory in a different directory using relative path
 - `mkdir wallpapers/ocean`
 - Create a directory in a different directory using absolute path
 - `mkdir ~/wallpapers/forest`
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touch

Definition:

Used for creating files

Usage:

- `touch + name of file`

Examples:

- To create a file
- `touch list`
- To create several files
- `touch list_of_cars.txt script.py names.csv`
- To create a file using absolute path:
- `touch ~/Downloads/games.txt`
- To create a file using relative path (assuming your pwd is your home directory)
- `touch Downloads/games2.txt`
- To create a file with a space in its name:

- `touch "list of foods.txt"`
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rm

Definition:

Removes files (Use -r option to remove directories)

Usage:

- `rm + file name`

Examples:

- To remove a file
 - `rm list`
 - To remove a file and prompt confirmation before removal
 - `rm -i list`
 - To remove all the files inside a directory and ask before removing more than 3 files
 - `rm -I Downloads/games/*`
 - To remove a non-empty directory
 - `rm -r Downloads/games`
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rmdir

Definition:

Removes an empty directory

Usage:

- `rmdir + name of directory`

Examples:

- `rmdir Downloads/games`
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mv

Definition:

Moves and renames directories

Usage:

- `mv + source + destination`

Examples:

- To move a file from a directory to another using relative path
 - `mv Downloads/homework.pdf Documents/`
 - To move a directory from one directory to another using absolute path
 - `sudo mv ~/Downloads/theme /usr/share/themes`
 - To move a file from one directory to another combining absolute path and relative path
 - `mv Downloads/english_homework.docx /media/student/flashdrive`
 - To move multiple directories/files to a different directory
 - `mv games/ wallpapers/ rockmusic/ /media/student/flashdrive/`
 - To rename a file
 - `mv homework.docx cis106homework.docx`
 - To rename a file using absolute path
 - `mv ~/Downloads/homework.docx ~/Downloads/cis106homework.docx`
 - To move and rename a file in the same command
 - `mv Downloads/cis106homework.docx Documents/new_cis106homework.docx`
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cp

Definition:

Copies files/directories from a source to a destination

Usage:

- `cp = files to copy + destination`

Examples:

- To copy a file
- `cp Downloads/wallpapers.zip Pictures/`
- To copy a directory with absolute path
- `cp -r ~/Downloads/wallpapers ~/Pictures/`
- To copy the content of a directory to another directory

- `cp Downloads/wallpapers/* ~/Pictures/`
 - To copy multiple files in a single command
 - `sudo cp -r script.sh program.py home.html assets/ /var/www/html/`
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file

Definition:

Determines the file type of a file

Usage:

- `file + filename`

Examples:

- Display file type
 - `file + filename`
 - Display file type without file name:
 - `file -b filename`
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pdftinfo

Definition:

- Displays information about pdf files

Usage:

- `pdftinfo + filename`

Examples:

- `pdftinfo cat.pdf`
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mediainfo

Definition:

Command line utility to display information about audio/video files

Usage:

- `mediainfo + filename`

Examples:

- Display information about a media file
 - `mediainfo example.mp3`
 - Display full information of a media file
 - `mediainfo -f example.mp4`
 - Output information to an html file
 - `mediainfo --output=HTML example.mp4 > file.html`
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exiv2

Definition:

Image metadata manipulation tool

Usage:

- `exiv2 + option + action + file`

Examples:

- Display information about an image file
 - `exiv2 example.png`
 - Displays all exif data about an image
 - `exiv2 -pt example.png`
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exiftool

Definition:

Read and write meta information in files

Usage:

- Reading:
- `exiftool [options] [-tag...] [--tag...] file`
- Writing:
- `exiftool [options] -TAG[=-<]=[value]... file`
- Copying:

- `exiftool [options] -tagsFromFile SRCFILE [-[DSTTAG,]SRCTAG...] file`

Examples:

- Displays information about a file:
- `exiftool example.png`