

Note 5: Managing Files

mkdir

Definition:

is a command-line utility that allows users to create new directories.

Examples:

- `mkdir wallpapers`
 - `mkdir wallpapers/ocean`
 - `mkdir ~/wallpapers/forest`
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Touch

Definition:

can be used to create files.

Examples:

- `touch list`
 - `touch list_of_cars.txt script.py names.csv`
 - `touch ~/Downloads/games.txt`
 - `touch Downloads/games2.txt`
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rm

Definition:

Removes files. RM by default does not removes directories. To remove a directory use rm with the -r option.

Examples:

- `rm list`
 - `rm -i list`
 - `rm -r Downloads/games`
-

rmdir

Definition:

used to remove directories.

Examples:

- `rmdir Downloads/games`
-

mv

Definition:

moves and renames directories.

Usage:

- `mv+source+destination`
- `mv+file/directory to rename+new name`

Examples:

- `mv Downloads/homework.pdf Documents/`
 - `mv Downloads/english_homework.docsx /media/student/flashdrive/`
 - `mv homework.docx cis106homework.docx`
 - `mv ~/Downloads/homework.docx ~/Downloads/cis106homework.docx`
 - `mv Downloads/cis106homework.docx Documents/new_cis106homework.docx`
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cp

Definition:

copies files and directories from a source to a destination.

Usage:

- `cp+files to copy+destination`
- `cp -r+directory to copy+destination`

Examples:

- `cp Downloads/wallpapers.zip Pictures/`
 - `cp -r ~/Downloads/wallpapers ~/Pictures/`
 - `cp Downloads/wallpapers/* ~/Pictures/`
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file

Definition:

determines the file type of a file.

Examples

- `file filename`
 - `file -b filename`
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pdftinfo

Definition:

displays information about pdf files

Examples:

- `pdftinfo filename.pdf`
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mediainfo

Definition:

command line utility to display information about audio/video files.

Examples:

display information about a media file

- `mediainfo example.png` display full information of a media file
 - `mediainfo -f example.png` Output information to an html file
 - `mediainfo --output=HTML example.png > file.html`
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exiv2

Definition:

image metadata manipulation tool

Usage:

- `exiv2+[option] [action] [file]`

Examples:

Displays information about an image file

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

Definition:

Read and write meta information in files

Usage:

see man page

Examples:

Displays information about a file

- `exiftool example.png`