

Notes 3

Managing Files and Directories

mkdir

Definition

Used to create single or multiple directories.

Usage

```
mkdir + name of directory
```

Examples

- create a directory in present working directory
 - `mkdir wallpapers`
- create a directory in a directory using relative path
 - `mkdir wallpapers/ocean`
- create a directory with a space in the name
 - `mkdir wallpapers/new\ cars`

touch

Definition

Used for creating files.

Usage

```
touch + name of file
```

Examples

- to create a file called list
 - `touch list`
- to create several files
 - `touch list_of_cars.txt script.py names.csv`
- create a file with a space in its name
 - `touch "list of foods.txt"`

rm

Definition

Used to remove files or non empty directories

Usage

`rm + file name`

Examples

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

rmdir

Definition

Remove empty directories

Usage

`rm + name of directory`

Examples

- remove an empty directory
 - `rmdir Downloads/games`

mv

Definition

Moves and renames files and directories

Usage

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

Examples

- to move a file
 - `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 rename a file
 - `mv homework.docx cis106homework.docx`

cp

Definition

Copies file and directories from a source to destination

Usage

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

Examples

- to copy a file
 - `cp Downloads/wallpapers.zip Pictures/`
- to copy 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/`

file

Definition

Determines the type of file

Usage

`file + name of file`

Examples

- display file type
 - `file filename`
- display file type without file name
 - `file -b filename`

pdftinfo

Definition

Displays information about pdf files

Usage

`pdftinfo + name of file.pdf`

Examples

- display info of a file
 - `pdftinfo filename.pdf`

mediainfo

Definition

Command line tool to display information about audio/video files

Usage

```
mediainfo + name of file
```

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`

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`

exiftool

Definition

Read and write meta information in files

Usage

```
exiftool + path or name of file
```

Examples

- displays information about a file
 - `exiftool example.png`