

Notes 3: Managing Files and Directories

Each of the commands used for managing files and directories

mkdir

Definition:

Used for creating directories

Usage

`mkdir + the name of the directory`

Examples:

- Create a directory
 - `mkdir wallpapers`
- Create a directory in a different directory using absolute path
 - `mkdir ~/wallpapers/forest`
- Create a directory in a different directory using relative path
 - `mkdir wallpapers/ocean`
- Create a directory with a space in the name
 - `mkdir wallpapers/new\ cars`
 - `mkdir wallpapers/'cities usa'`
- Create a directory with a single quote in the name
 - `mkdir wallpapers/"majora's mask"`
- Create multiple directories
 - `mkdir wallpapers/cars wallpapers/cities wallpapers/forest`
- Create a directory with a parent directory at the same time
 - `mkdir -p wallpaper_others/movies`

Touch

Definition

Used to create files

Usage

`Touch + file name`

Examples

- Create a file
 - `touch list`
- Create several files
 - `touch list_of_cars.txt script.py names.csv`

- Create a file using absolute path
 - `touch ~/Downloads/games.txt`
- Create file using relative path
 - `touch Downloads/games.txt`
- Create a file with a space
 - `touch "list of foods.txt"`

rm

Definition

Removes files

Usage

```
rm
```

Examples

- Remove a file
 - `rm list`
- Remove a file and prompt confirmation before removal
 - `rm -i list`
- Remove all files in a directory
 - `rm -I Downloads/games/*`
- Remove non-empty directory
 - `rm -r Downloads/games`

rmdir

Definition

Removes an empty directory

Usage

```
rmdir Downloads/games
```

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 using absolute path
 - `sudo mv ~/Downloads/theme /usr/share/themes`

cp

Definition

Copies files from a source to destination

Usage

`cp + files to copy + destination`

Examples

- Copy a file
 - `cp Downloads/wallpapers.zip/Pictures`
- Copy directory with absolute path
 - `cp -r ~/Downloads/wallpapers ~/Pictures/`
- Copy the content of a directory to another
 - `cp Downloads/wallpapers/* ~/Pictures/`
- Copy multiple files
 - `sudo cp -r script.sh program.py home.html assets/ /var/www/html/`

file

Definition

Determines the file type

Usage

`file filename`

Examples

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