

Notes 5

MKDIR

Description

- `mkdir` is used for creating a single directory or multiple directories.

Usage

- `mkdir + option + name of directories`

Examples

- Create a directory in the current directory:
- `mkdir wallpapers`
- Create a directory in a different directory using relative path:
- `mkdir wallpapers/ocean`
- Create multiple directories:
- `mkdir wallpapers/cars wallpapers/cities wallpapers/forest`

TOUCH

Description

- `touch` is used for creating files.

Usage

- `touch`

Examples

- To create a file called list:
- `touch list`
- To create several files:
- `touch list_of_cars.text script.py names.csv`
- To create a file using absolute path:
- `touch ~/Downloads/games.txt`
- To create a file with a space in its name:
- `touch "list of foods.txt"`

RM

Description

`rm` removes files.

Usage

```
rm + -r + directory name or directory absolute path
```

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

Description

`rmdir` removes empty directories.

Usage

```
rmdir
```

Examples

- To remove an empty directory:
- `rmdir Downloads/games`
- Removing multiple empty directories:
- `rmdir dir1 dir2 dir3`

MV

Description

`mv` moves and renames directories.

Usage

Basic Formula: `mv + source + destination` For renaming files/directories the formula remains the same:

```
mv + file.directory to rename + new name
```

Examples

BASIC FORMULA:

- 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/`

RENAMING FILES/DIRECTORIES FORMULA:

- To rename a file:
- `mv homework.docx cis106homework.docx`
- To rename a file using absolute path:
- `mv ~/Downloads/homework.docx ~/Downloads/cis106homework.docx`

CP

Description

`cp` copies files/directories from a source to a destination.

Usage

`cp + files to copy + destination`

- To copy directories you must use the `-r` options: `cp -r + directory 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/``

FILE

Description

`file` determines the file type of a file.

Usage

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

Examples

- Create an empty file:
- `touch new-file.txt`
- Create multiple files:
- `touch notes.md program.py website.html`
- Create a file with a special character:
- `touch "Manuel Shopping List"`