

## Free Code Camp Course - Linux Essentials for Hackers - 4 hours

- linux is important for
  - security
  - system administration
  - personal use! (I want this :) )
- linux can run on
  - virtual machine
  - baremetal

### useful keyboard shortcuts

- open terminal
  - `ctrl + alt + t`
- move window to top, right, bottom, left
  - `window + arrowkeys`
- increase/decrease font size
  - `ctrl + shift + "+"`
  - `ctrl + "-"`
- clear the terminal
  - `ctrl + l`
  - `clear` command
- end the current process
  - `ctrl + c`
- see history commands
  - `top and bottom in arrowkeys`
- auto complete command
  - `tab`
  - `right-arrowkey`
- close the window
  - `ctrl + w`
  - `ctrl + shift + w`

### file management and manipulation

- print working directory

`pwd`

- list directory

`ls`

- list directory in a table

`ls -l`

- list directory also hidden

```
ls -a
```

- list directory in a table human readable

```
ls -lh
```

- list directory recursively!

```
ls -R
```

- change directory to home directory

```
cd
```

```
cd ~
```

- change directory to previous directory

```
cd -
```

- change directory to parent directory

```
cd ..
```

- change directory to any directory you want

```
cd wanteddirectorypath
```

- change directory to root directory

```
cd /
```

- see the one line documentation of a command!!!

```
whatis thecommand
```

- create new file

```
touch newfilename
```

- returning a line

```
echo yourlinegoeshere
```

- redirect output to a file

```
echo "something" > somefile
```

- see the content of a file

```
cat somefile
```

- copy content of a file to another file

```
cat somefile > anotherfile
```

- remove a file or directory

```
rm yourfile
```

```
rm -r yourdirectory
```

- remove all files and folders in a directory

```
rm -r *
```

- create a directory

```
mkdir yournewdirectoryname
```