

Searching

```
ls -R | grep <name>
```

```
egrep -Rw '<keyword>' | awk '{print $0,"\\n"}'
```

Install the tree library: `sudo apt-get install tree -y`

To output the tree structure for a file or folder: `tree | grep <name>`

[illegible]

For more information look here:<https://www.tecmint.com/linux-tree-command-examples/>

```
find [start directory] -name <argument>
```

E.g. `find . -name "<argument>"`

How to use sed to find and replace text in files in Linux

```
sed 's/<what I am changing>/<what is being changed>/g' <filename>
```

Link: <https://www.cyberciti.biz/faq/how-to-use-sed-to-find-and-replace-text-in-files-in-linux-unix-shell/>

Git

Find changes in a file

```
git blame --minimal target.h
```

E.g. `git blame --minimal target.h | grep <keyword>`

More info here : <https://help.github.com/en/github/managing-files-in-a-repository/tracking-changes-in-a-file>

Find the commit history

```
git log --oneline --decorate --graph | grep <file>
```

```
git log --oneline --decorate | grep SITL
```

```
f042ad910 Add dummy initializeUnusedPins for SITL
b5237bba9 Fix SITL target build and runtime segfaults (#9342)
548379bab fixed SITL target debug build and runtime segfaults. Added
motorPwmDevice vTable functions and IOConfigGPIO stub
ddf7a29fb Fixed mocking of pwm output on SITL.
93f933f01 Fixed build for gcc 8 (SITL).
6b8d40306 Added 'eeprom.bin' (SITL EEPROM image) to '.gitignore'.
4b7ba85ec Fixed SITL.
9cd5bcd7a Fixed tests / SITL build.
68756ddd6 Merge pull request #4085 from cs8425/bf-SITL-fix-cli-crash
f8c9b57fd fix cli crash on get, dump, diff on SITL
c5ed9d566 Merge pull request #3633 from cs8425/bf-SITL-EEPROM-in-RAM
51ca725f0 SITL fix
5aa81c81c Merge pull request #3403 from blkkmn/SITL
1ff5ff7d9 Remove SITL specific defines from fc_init
c75697ef3 Merge pull request #3395 from AndersHoglund/fix_SITL_build
08281e8ec Fix SITL compile.
4451ae5fe Exclude SITL case
3cfcf8a4b Fix for SITL target
```

Find changes in a file with git log

```
git log -- ./<filename>
```

For more information please check here: <https://www.atlassian.com/git/tutorials/git-log> A good one-liner in Linux can give you a lot of useful output without the need to open any files.

Check link : https://www-users.york.ac.uk/~mijp1/teaching/2nd_year_Comp_Lab/guides/grep_awk_sed.pdf has great examples.