#ft_ls

make #command to build the project

./ft_ls -5 to see the usage

usage: ./ft_ls [-alRruftGgS] [file ...]

#this is a default flag

-1 (The numeric digit 'one'.) Force output to be one entry per line.

This is the default when output is not to a terminal.

#those flags are required to test

-a hidden files

-l List in long format. Ownership, Date/Time etc (See below)

For terminal output, a total sum of all the file sizes is

output on a line before the long listing.

If the file is a symbolic link the pathname of the linked-to file is

preceded by ->

-R Recursively list subdirectories encountered.

```
total 80
-rw-r--r--    1 msoulaim  candidate   1606 Dec 19 18:30 Makefile
-rw-r--r--    1 msoulaim  candidate     17 Dec 19 18:30 author
-rwxr-xr-x    1 msoulaim  candidate  29068 Dec 19 18:39 ft_ls
drwxr-xr-x    3 msoulaim  candidate    102 Dec 19 18:30 includes
drwxr-xr-x  136 msoulaim  candidate   4624 Dec 19 18:39 libft
drwxr-xr-x   44 msoulaim  candidate   1496 Dec 19 18:38 src

ls/includes:
total 8
-rw-r--r--    1 msoulaim  candidate   3126 Dec 19 18:30 ft_ls.h

ls/libft:
total 1184
-rw-r--r--    1 msoulaim  candidate   2756 Dec 19 18:30 Makefile
-rw-r--r--    1 msoulaim  candidate      8 Dec 19 18:30 author
-rw-r--r--    1 msoulaim  candidate   1284 Dec 19 18:30 ft_atoi.c
-rw-r--r--    1 msoulaim  candidate    940 Dec 19 18:38 ft_atoi.o
-rw-r--r--    1 msoulaim  candidate   1047 Dec 19 18:30 ft_bzero.c
-rw-r--r--    1 msoulaim  candidate    676 Dec 19 18:38 ft_bzero.o
-rw-r--r--    1 msoulaim  candidate   1101 Dec 19 18:30 ft_countwords.c
-rw-r--r--    1 msoulaim  candidate    760 Dec 19 18:38 ft_countwords.o
-rw-r--r--    1 msoulaim  candidate   1075 Dec 19 18:30 ft_isalnum.c
-rw-r--r--    1 msoulaim  candidate    720 Dec 19 18:38 ft_isalnum.o
-rw-r--r--    1 msoulaim  candidate   1021 Dec 19 18:30 ft_isalpha.c
-rw-r--r--    1 msoulaim  candidate    672 Dec 19 18:38 ft_isalpha.o
-rw-r--r--    1 msoulaim  candidate    991 Dec 19 18:30 ft_isascii.c
-rw-r--r--    1 msoulaim  candidate    656 Dec 19 18:38 ft_isascii.o
-rw-r--r--    1 msoulaim  candidate    992 Dec 19 18:30 ft_isdigit.c
-rw-r--r--    1 msoulaim  candidate    656 Dec 19 18:38 ft_isdigit.o
-rw-r--r--    1 msoulaim  candidate    992 Dec 19 18:30 ft_isprint.c
-rw-r--r--    1 msoulaim  candidate    656 Dec 19 18:38 ft_isprint.o
-rw-r--r--    1 msoulaim  candidate   1446 Dec 19 18:30 ft_itoa.c
-rw-r--r--    1 msoulaim  candidate   1304 Dec 19 18:38 ft_itoa.o
-rw-r--r--    1 msoulaim  candidate   1181 Dec 19 18:30 ft_len_words.c
-rw-r--r--    1 msoulaim  candidate    872 Dec 19 18:38 ft_len_words.o
-rw-r--r--    1 msoulaim  candidate    997 Dec 19 18:30 ft_lstadd.c
-rw-r--r--    1 msoulaim  candidate    636 Dec 19 18:38 ft_lstadd.o
-rw-r--r--    1 msoulaim  candidate   1135 Dec 19 18:30 ft_lstdel.c
-rw-r--r--    1 msoulaim  candidate    764 Dec 19 18:38 ft_lstdel.o
-rw-r--r--    1 msoulaim  candidate   1081 Dec 19 18:30 ft_lstdelone.c
-rw-r--r--    1 msoulaim  candidate    720 Dec 19 18:38 ft_lstdelone.o
-rw-r--r--    1 msoulaim  candidate   1047 Dec 19 18:30 ft_lstiter.c
-rw-r--r--    1 msoulaim  candidate    688 Dec 19 18:38 ft_lstiter.o
-rw-r--r--    1 msoulaim  candidate   1333 Dec 19 18:30 ft_lstnew.c
-rw-r--r--    1 msoulaim  candidate    864 Dec 19 18:38 ft_lstnew.o
-rw-r--r--    1 msoulaim  candidate   1075 Dec 19 18:30 ft_memalloc.c
```

-r Reverse the order of the sort to get reverse lexicographical

order or the oldest entries first.

(or largest files last, if combined with sort by size, or time)

-u Use time of last access, instead of last modification of the file

for sorting (-t) or printing (-l).

-f   Output is not sorted (list the files as their order in the machine)

-t   Sort by time modified (most recently modified first) before

sorting the operands by lexicographical order.

-G   Enable colour output.

This option is equivalent to defining CLICOLOR in the environment.(See below.)

-g   This option is deprecated. This option is only available for compatibility

with POSIX; it is used to display the group name in the long (-l) format output

(the owner name is suppressed).

-S   Sort files by size

#also we add option to manage files exist in /dev they have minor and major and total blocks of a directory ->

```
➜  ts git:(master) ✗ ls -la /dev
total 9
dr-xr-xr-x   3 root      wheel                    4426 Dec 19 16:57 .
drwxr-xr-x  37 root      wheel                    1326 Sep 16 23:23 ..
crw-------   1 root      wheel         17,    1 Dec 19 16:57 afsc_type5
crw-------   1 root      wheel         10,    0 Dec 19 16:57 auditpipe
crw-r--r--   1 root      wheel          9,    3 Dec 19 16:57 auditsessions
crw-------   1 root      wheel         21,    0 Dec 19 16:57 autofs
crw-------   1 root      wheel         34,    0 Dec 19 16:57 autofs_control
crw-rw-rw-   1 root      wheel         33,    0 Dec 19 16:57 autofs_homedirmounter
crw-rw-rw-   1 root      wheel         31,    0 Dec 19 16:57 autofs_notrigger
crw-rw-rw-   1 root      wheel         22,    0 Dec 19 16:57 autofs_nowait
crw-------   1 root      wheel         23,    0 Dec 19 16:57 bpf0
crw-------   1 root      wheel         23,    1 Dec 19 16:58 bpf1
crw-------   1 root      wheel         23,    2 Dec 19 16:57 bpf2
crw-------   1 root      wheel         23,    3 Dec 19 16:57 bpf3
crw-------   1 msoulaim  candidate      0,    0 Dec 19 16:57 console
crw-rw-rw-   1 root      wheel         20,    3 Dec 19 16:57 cu.AUSDOMANC10-CSRGAIA
crw-rw-rw-   1 root      wheel         20,    1 Dec 19 16:57 cu.Bluetooth-Incoming-Port
brw-r-----   1 root      operator       1,    0 Dec 19 16:57 disk0
brw-r-----   1 root      operator       1,    8 Dec 19 16:57 disk0s1
brw-r-----   1 root      operator       1,    5 Dec 19 16:57 disk0s2
brw-r-----   1 root      operator       1,    1 Dec 19 16:57 disk1
brw-r-----   1 root      operator       1,    7 Dec 19 16:57 disk1s1
brw-r-----   1 root      operator       1,    4 Dec 19 16:57 disk1s2
brw-r-----   1 root      operator       1,    2 Dec 19 16:57 disk1s3
brw-r-----   1 root      operator       1,    3 Dec 19 16:57 disk1s4
brw-r-----   1 root      operator       1,    6 Dec 19 16:57 disk1s5
brw-r-----   1 root      operator       1,    9 Dec 19 17:28 disk2
crw-rw-rw-   1 root      wheel         24,   14 Dec 19 16:57 dtrace
crw-rw-rw-   1 root      wheel         25,    0 Dec 19 16:57 dtracehelper
crw-rw-rw-   1 root      wheel          0,    0 Dec 19 16:57 fbt
dr-xr-xr-x   1 root      wheel                0 Dec 19 16:57 fd
crw-r--r--   1 root      wheel         13,    0 Dec 19 16:57 fsevents
crw-rw-rw-   1 root      wheel         18,   17 Dec 19 17:28 io8log
cr--r--r--   1 root      wheel         18,   18 Dec 19 16:57 io8logmt
crw-rw-rw-   1 root      wheel         18,   12 Dec 19 18:45 io8logtemp
crw-rw-rw-   1 root      wheel          0,    0 Dec 19 16:57 lockstat
crw-rw-rw-   1 root      wheel          0,    0 Dec 19 16:57 machtrace
crw-rw-rw-   1 root      wheel          3,    2 Dec 19 18:47 null
crw-------   1 root      wheel          7,    0 Dec 19 16:57 oslog
crw-------   1 root      wheel          8,    0 Dec 19 16:57 oslog_stream
crw-------   1 root      wheel         11,    0 Dec 19 16:57 pf
crw-------   1 root      wheel         11,    1 Dec 19 16:57 pfm
crw-rw-rw-   1 root      wheel          0,    0 Dec 19 16:57 profile
crw-rw-rw-   1 root      tty           15,    1 Dec 19 18:47 ptmx
crw-rw-rw-   1 root      wheel          5,    0 Dec 19 16:57 ptyp0
crw-rw-rw-   1 root      wheel          5,    1 Dec 19 16:57 ptyp1
crw-rw-rw-   1 root      wheel          5,    2 Dec 19 16:57 ptyp2
crw-rw-rw-   1 root      wheel          5,    3 Dec 19 16:57 ptyp3
crw-rw-rw-   1 root      wheel          5,    4 Dec 19 16:57 ptyp4
crw-rw-rw-   1 root      wheel          5,    5 Dec 19 16:57 ptyp5
crw-rw-rw-   1 root      wheel          5,    6 Dec 19 16:57 ptyp6
crw-rw-rw-   1 root      wheel          5,    7 Dec 19 16:57 ptyp7
crw-rw-rw-   1 root      wheel          5,    8 Dec 19 16:57 ptyp8
crw-rw-rw-   1 root      wheel          5,    9 Dec 19 16:57 ptyp9
crw-rw-rw-   1 root      wheel          5,   10 Dec 19 16:57 ptypa
crw-rw-rw-   1 root      wheel          5,   11 Dec 19 16:57 ptypb
crw-rw-rw-   1 root      wheel          5,   12 Dec 19 16:57 ptypc
crw-rw-rw-   1 root      wheel          5,   13 Dec 19 16:57 ptypd
crw-rw-rw-   1 root      wheel          5,   14 Dec 19 16:57 ptype
crw-rw-rw-   1 root      wheel          5,   15 Dec 19 16:57 ptypf
crw-rw-rw-   1 root      wheel          5,   16 Dec 19 16:57 ptyq0
crw-rw-rw-   1 root      wheel          5,   17 Dec 19 16:57 ptyq1
crw-rw-rw-   1 root      wheel          5,   18 Dec 19 16:57 ptyq2
```