

# Lab2 FAT12镜像查看工具

## 说明

文件组成:

- main.cpp
- my\_print.asm
- Makefile

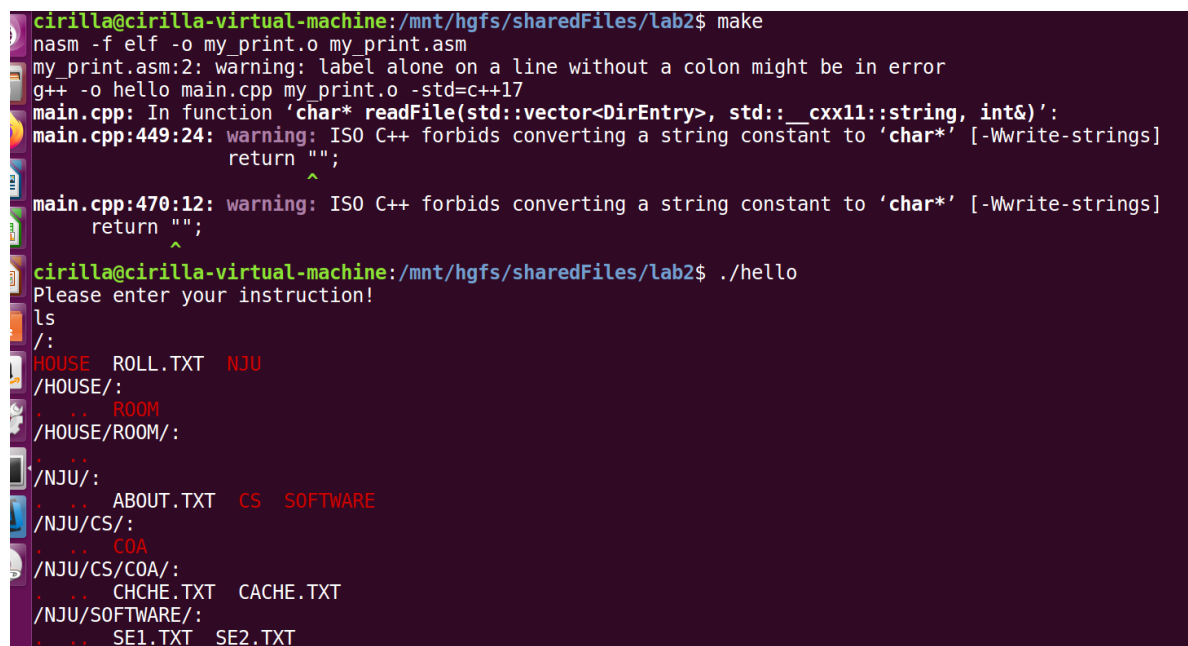
完成部分:

- 基本得分
- 附加得分

注:

- 读取的镜像为a.img
- 支持输入时省略输入的路径前代表根目录的 "-"

## 运行截图



```
cirilla@cirilla-virtual-machine:/mnt/hgfs/sharedFiles/lab2$ make
nasm -f elf -o my_print.o my_print.asm
my_print.asm:2: warning: label alone on a line without a colon might be in error
g++ -o hello main.cpp my_print.o -std=c++17
main.cpp: In function 'char* readFile(std::vector<DirEntry>, std::__cxx11::string, int&)':
main.cpp:449:24: warning: ISO C++ forbids converting a string constant to 'char*' [-Wwrite-strings]
    return "";
    ^
main.cpp:470:12: warning: ISO C++ forbids converting a string constant to 'char*' [-Wwrite-strings]
    return "";
    ^
cirilla@cirilla-virtual-machine:/mnt/hgfs/sharedFiles/lab2$ ./hello
Please enter your instruction!
ls
/:
HOUSE  ROLL.TXT  NJU
/HOUSE/:
. . . ROOM
/HOUSE/ROOM/:
. . .
/NJU/:
. . . ABOUT.TXT  CS  SOFTWARE
/NJU/CS/:
. . . COA
/NJU/CS/COA/:
. . . CHCHE.TXT  CACHE.TXT
/NJU/SOFTWARE/:
. . . SE1.TXT  SE2.TXT
```

```
ls -l
/ 2 1:
HOUSE 1 0
ROLL.TXT 119
NJU 2 1

/HOUSE/ 1 0:
.
..
ROOM 0 0

/HOUSE/ROOM/ 0 0:
.
..

/NJU/ 2 1:
.
..
ABOUT.TXT 1090
CS 1 0
SOFTWARE 0 2

/NJU/CS/ 1 0:
.
..
COA 0 2

/NJU/CS/COA/ 0 2:
.
..
CHCHE.TXT 0
CACHE.TXT 1093

/NJU/SOFTWARE/ 0 2:
.
..
SE1.TXT 0
SE2.TXT 0
```

```
ls NJU/CS
/NJU/CS/:
. . . COA
/NJU/CS/COA:
. . . CHCHE.TXT  CACHE.TXT
ls -l NJU/CS/COA
/NJU/CS/COA/ 0 2:
.
..
CHCHE.TXT 0
CACHE.TXT 1093

ls -iL house
You have entered a wrong option. We only support -l, and mention that -L is not supported.
house path does not exists.
ls -LLLL house
You have entered a wrong indtruction! You can enter ls [-l] [dirPath], cat filePath, exit, help.
ls -losh house
house path does not exists.
ls -l HOUSE
/HOUSE/ 1 0:
.
..
ROOM 0 0

/HOUSE/ROOM/ 0 0:
.
..
```

```
cat /NJU/CS/COA/CACHE.TXT
ash and Cache

Cache and cash are homophones (words that are pronounced alike but have different meanings, origins, or spelling) whose likeness in sound may lead to perplexity.

Cache primarily refers to a thing that is hidden or stored somewhere, or to the place where it is hidden. It has recently taken on another common meaning, "short-term computer memory where information is stored for easy retrieval." Cash, on the other hand, is most often used in the sense "ready money."

If you find yourself confused by these words, remember that you can store cash in a cache, but you can't do the reverse. Be mindful, too, that if you run out of cash you won't be able to buy something, but if you're short on cache, your computer won't work.

Examples of cache in a Sentence
Noun a weapons cache used by terrorists Police found a cache of stolen cars in the woods.
See More
Recent Examples on the Web: Noun The Facebook Files is a Wall Street Journal project based on reporting that includes a cache of documents and data reviewed earlier this year. — Jeff Horwitz, WSJ, 24
:save
```

[illegible][illegible]

```
B
B
B
B
B
B
B
B
B
B
B
B
B
B
B
B
B
B
B
B
B
B
SSSSSSSSS

cat NJU/about.txt
there is no such file: about.txt. Maybe you have entered a lower case, but we need upper case.

cat nju/ABOUT.TXT
nju path does not exists.
there is no such file: ABOUT.TXT. Maybe you have entered a lower case, but we need upper case.
```

```
help
ls [-l] [dirPath] :
print dir contents. -l option means to print the direct dir num and direct file num.
Mention that you can only enter one file path, but many -l option is allowed. and -l must be the lower case.
cat filePath:
show the content of the file.
exit:
exit this program.
CAUTION: file path is UPPER case.
exit
Bye!
cirilla@cirilla-virtual-machine:/mnt/hgfs/sharedFiles/lab2$
```

到您的计算机, 请按 Ctrl+Alt.

```
cat NJU/CS/COA/CACHE.TXT
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