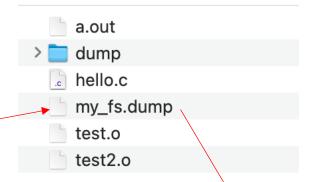
Final project A customized command line and file system

```
ryanpan@Ryan-Mac-mini-M2 demo % ./a.out
options:
  1, loads from file
 2. create new partition in memory
Input size of a new partition (example 102400
2048000
partition size = 2048000
Make new partition successful!
List of commands
'ls' list directory
'cd' change directory
'rm' remove
'mkdir' make directory
'rmdir' remove directory
'put' put file into the space
'get' get file from the space
'cat' show content
'status' show status of the space
'help'
'exit and store img'
/ $ 🛚
                           Safari
```

```
/ $ put hello.c
/ $ ls
hello.c
/ $ mkdir test
/ $ ls
test hello.c
/ $ cd test
/test/ $ ls
/test/ $ put test1.o
failed to open file 'test1.o'
/test/ $ put test.o *
/test/ $ put test2.o.
/test/ $ ls
test2.o test.o
/test/ $ cd ...
/ $ ls
test hello.c
/ $ status
partition size: 2048000
total inodes:
               221
used inodes:
total blocks: 2000
used blocks:
               52
files' blocks: 21
block size:
                1024
                1994752
free space:
/ $ cat hello.c
#include <stdio.h>
int main (void)
    printf("HELLO!!");
}/ $ get hello.c
```



List of commands
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'help'
'exit and store img'



- options:
 - 1, loads from file
 - 2. create new partition in memory

Extra credits

- Security
 - Use password to protect the dump file
 - Encrypt the dump file
 - Decrypt when loading the dump file
- Create/Edit text files in your file system

How to deliver

- Record a YouTube video to
 - Demonstrate
 - Present your design and detailed flows
 - Your teamwork (e.g., student A was responsible for OO function)
 - Percentage of individual contribution (e.g., A \rightarrow 20%, B \rightarrow 15%)
 - Video length should be more than 20 minutes

- Submit the source code and URL to the NTUT iSchool+
 - Submit by the group leader
 - Deadline 2025/1/10