

# illab3 by Team Lonely

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## Heading

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IntroCS pd6 sec10

L3 : CLI Exploration Project: Spelunking in the Interest of Filesystem

Illumination

2021 - 03 - 01

total time spent: 18.5 hours (counted)

Haha enjoy the talos font

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## Important Bashcrawl Commands

1. cd	used 120 times
2. ls	used 87 times
3. claim (export \$I=item,\$I)	used 19 times
4. hp (export \$HP=hp)	used 8 times
5. cp	used 7 times
6. ln	used 5 times
7. find	used 6 times
8. tree	used 2 times

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## Logs

[thunderredstar.me/web/logs.html](https://thunderredstar.me/web/logs.html)

### Notes:

- I created these logs myself. I used the `script` command to record all interactions to the terminal and then I used a script to convert these logs to HTML.

- These logs may have unknown characters, or there might be missing parts. Backspaces display as normal spaces and deleted characters don't disappear. This is not my fault.
  - `Commands.sh` implements 2 functions:
    - `claim` picks up an item off the floor, much in the same way that you would add an item to your inventory
      - Usage: `claim sword`
      - Code:
 

```
claim() {
  export I=$1,$I
}
```
    - `hp` sets your hp
      - Usage: `hp 15`
      - Code:
 

```
hp() {
  export HP=$1
}
```
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## Discoveries

- Bash (the language for terminals as well as for basic, cryptic programs) is closer to an assembly language – as shown by its higher control over the host system, but also harder to learn.
- Bash, being a command-line language, has a different set of commands (such as `alias`) that you don't see in normal languages because of the lack of need for it.
- Files or folders with names starting with `.` are hidden normally, except when explicitly defined to be shown.
- Windows Bash is different from Linux Bash.
- In Linux, a subdirectory of a folder is delimited by `\`, however on Windows it is `/`.
- You can `cd` into a hidden folder, however, you need to have been in it at least once.

- Sha256sum is actually a command to encrypt a file – in this case when decrypted it provided the code for the robot file. This is one of the best encryption algorithms so far.
- About Bashcrawl:
  - If you put the ice crystal in the glass, it makes a hidden .bless file
    - This gives you +2 when you roll a number during a fight
  - If you put the correct username into the box (in the rift) it makes a hidden .bless file
    - This gives you +2 when you roll a number during the nyarlathotep fight.
  - If you find the amulet or the sword and claim it, you gain access to the vault and the chapel.
  - Diamonds do nothing.
  - With .bless you can avoid taking 2 damage at the fountain.
  - Putting the trinket on the altar gives you .bless, however not touching it or putting it in your inventory gives you .curse.
  - Having both the wizard-dark and wizard-light files gives you a +2 bonus on the nyarlathotep fight.
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## Unresolved Mysteries

- Some encounters cannot be run with ./encounter, instead you have to use . encounter (Note the space). WHY? (for example: . robot works but ./robot returns "permission denied").
- What are the uses of some of the other items? For example, the diamonds have no use.
- What's the point of rolling for a number during the fights?
- How do you actually obtain the wizard-dark file?
- Why are the file names blank instead of ending in .sh like I do? Is it because they want to teach us ls -f?

- (this is questionable) Is it true that if you fail to read the README file, the game wins by default?