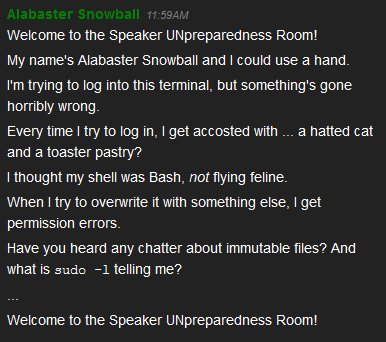
# Nyanshell part 1

This terminal teaches about Linux file attributes, which are often overshadowed by the more commonly used file permissions. It also teaches about how the etc/passwd file determines a user’s shell.

The terminal is in the Speaker Unpreparedness Room in Hermy Hall if you are playing the game. If not, access the terminal directly at <https://docker2019.kringlecon.com/?challenge=nyanshell&id=5ce125ad-f059-4198-adb0-4c6fba3cdd4d>.

Someone has been playing games with Alabaster. They have changed his shell so that he cannot use his terminal. Alabaster says some important words: overwrite, chatter, immutable, and sudo -l.



Two more hints are available in the game. “On Linux, a user's shell is determined by the contents of /etc/passwd,” and “sudo -l says I can run a command as root. What does it do?”

If you switch user ( su ) to Alabaster’s account to see what a flying hatted cat and a toaster pastry look like, you can get your terminal back with Ctrl-C.

## Questions

1. What file is being executed instead of Alabaster’s normal shell, bash?
2. What are the file permissions on the flying cat file?
3. Where is the real BASH shell file?
4. Can you copy the real BASH on top of (overwrite) the flying cat file?