Basic Shell Commands Redux

BASHing your head against the keyboard

- `cp` : CoPy
  - `cp original.c original.c.bak` make a copy of "original.c" as "original.c.bak"
  - `cp -r HW1 HW1_backup` make a copy of the "HW1" directory to "HW1_backup"
- `rm` : ReMove
  - `rm incriminating_evidence.txt` delete the "incriminating_evidence.txt" file
  - `rm -r folder_of_world_domination_plans` delete the "folder_of_world_domination_plans" folder
  - `rm -f stubborn_undeletable_file` try harder to delete the "stubborn_undeletable_file" file
  - `rm *.o` delete all files in the current directory that end in ".o"
- `*` : glob pattern, matching any charcter[s]
- `mv` : MoVe
  - `mv original.c attempt1.c` rename "original.c" as "attempt1.c"
  - `mv folder_of_world_domination_plans kitten_pictures` rename the folder
- `grep` : who knows? it just means "look for a line with"
  - `ps aux | grep $(whoami)` Show processes I'm

running

-     ◦ `dmesg | grep -i ram` Show kernel messages with case-insensitive "ram" in the line
-     ◦ `ps aux | grep -v root` Show processes that don't contain the word "root"
- `|` : pipes stdout into stdin
- `awk` : ??? arcane incantations for string manipulation
  - ◦ `ps aux | grep $(whoami) | grep while | grep -v grep | awk '{print $2}' | xargs kill -9` kill processes I'm running that contain the word "while"
- `cat` : conCATenate (or just print the file to stdout)
  - ◦ `cat hw1.c` print the contents of the "hw1.c" file
  - ◦ `cat hw1.c | grep //` print all the lines with line comments in "hw1.c"