

INTRO TO THE TERMINAL

UML ASSOCIATION FOR COMPUTING MACHINERY

UPDATES

ACM IS NOW AN OFFICIAL CLUB!

- Engage Page:
<https://umasslowellclubs.campuslabs.com/engage/organization/acm>
- We will be posting future events here!



MEMBERSHIP

- You can sign-up for a free ACM account if you're interested:
<https://accounts.acm.org/>
- We will notify you about future events and opportunities through this list
- For future meetings, we will be collecting attendance:
 - Download the Corq app:
<https://corq.app/>



TERMINAL BASICS

WHAT IS THE TERMINAL

- A program that allows users to interact with the internal operating system through a command-line interface (CLI)
- Originated from the Unix operating system developed in the 1960s
- Examples include the Linux Terminal and the Terminal on macOS

```
jgari@RazerBladeJGG: ~
37 packages can be updated.
17 updates are security updates.
jgari@RazerBladeJGG:~$ screenfetch
[[ ! ]] awk: fatal: cannot open file `/sys/devices/system/cpu/cpu0/cpufreq/scaling_max_freq' for reading (Permission denied)

      ./+o+-
    yyyyy- -yyyyyy+
      ://+////////-yyyyyyo
    .++ .:/++++++/-+.sss/`
    .:++o: /+++++++/:-:-/-
    o:+o:++ ``````.-/oo++++/
    .:o:+o/.      +sssoo+/
    .++/+:+oo+o:      /sssooo.
  /+++/++:`oo+o      /:--:.
  \+/+o+++`o+o      ++////.
    .++.o+++oo+:`      /dddhhh.
    .+.o+oo:      `oddhhhh+
    \+.+o+o` ``````:ohdhhhh+
    .:o+++ `ohhhhhhhh+o+os:
    .o: `syhhhhhhh/.oo+o`
      /osyyyyyyo+ooo+++/
      ``````+oo++o\`
 oo++.

jgari@RazerBladeJGG:~$
```

```

Last login: Fri Jun 4 13:10:49 on ttys000
tomrankin ~ %cd documents
tomrankin documents %mkdir my_essays
tomrankin documents %cd my_essays
tomrankin my_essays %touch history-essay.doc
tomrankin my_essays %touch notes.txt
tomrankin my_essays %mkdir images
tomrankin my_essays %ls
history-essay.doc images notes.txt
tomrankin my_essays %

```

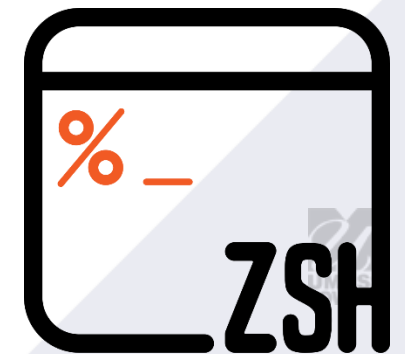
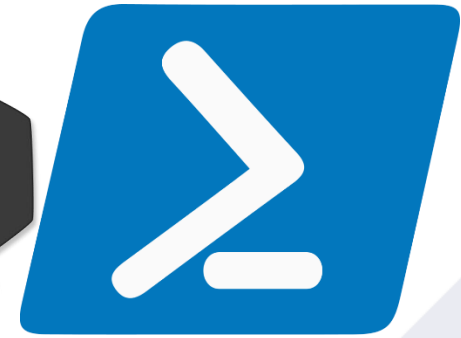
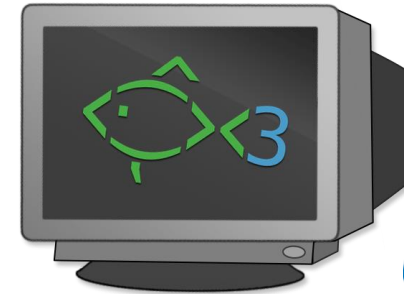
# TERMINAL VS THE SHELL

- Terminal:

- Runs the shell
- Handles I/O
- Originally physical device, now emulated in software

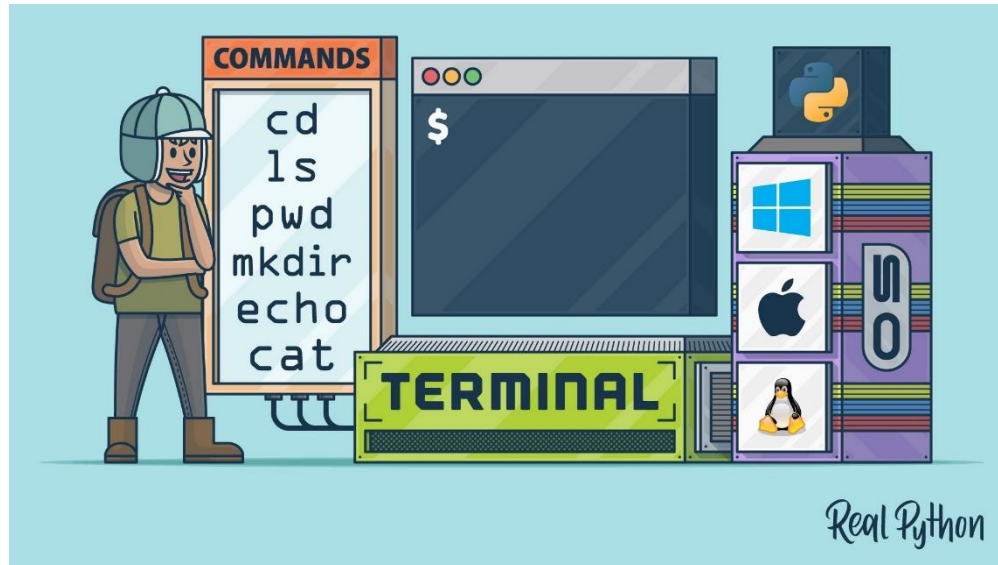
- Shell:

- Process commands and returns output
- Many modern shells also handle background and foreground processes, command history, and command line editing



# WHY USE THE TERMINAL?

- Programmatic way to tell the computer to do something rather than having you, the user, manually do it.
- Examples: make a file, move a file, remove a file, and make a directory.
- You can also list files and folders in a directory.





# OVERTHEWIRE

- Games designed to help new users learn cybersecurity concepts
- For this meeting, we will be focusing on the first game, Bandit, since it deals with learning basic terminal commands
- Link: <https://overthewire.org/wargames/bandit/>



## CONTACT INFO

Our Linktree!

