Day 2 Notes

File System

* How files are stored, named and accessed.
* Tree-like structure
  + Root (or top level) directory
  + Then other directories are nested inside
* In Unix - the root directory is represented by /
* In Windows = C:\
* Not every user will have access to the entire file system

Paths

* When structure can be represented as a tree - we can refer to what we call **paths**

**Absolute Path**: "measured" from the root directory (or a globally fixed point)  
C:\Programs\Java\jdk.....  
/Users/Revature/Documents/text.txt

**Relative Paths**: "measured" from the location of another file or directory (*relative to another point*)  
../styles/stylesheet.css

. -> represents the current directory  
.. -> represents the parent directory

subdirectories are divided by the /

* To execute commands for your OS:
  + Command Prompt (cmd)
  + PowerShell
  + Unix Shell
  + Terminal
  + GitBash -> what we will be using.

Git

* version control tool
* Allows for safer collaboration between teams
* Many different hosting tools
  + GitHub, GitLab, SourceTree, etc.
* Git is the underlying software that these platforms rely on
  + but it is not the platform itself.