* Creates inod when using softlink, and when we use it, it goes to the original file.
* <http://linuxgazette.net/105/pitcher.html>
* daemon, a process that runs in the background
* cron: <https://en.wikipedia.org/wiki/Cron>
* Week 2:
* 1. hardlink softlink,
* 2. set permissions
* 3. don’t need to know how to write while loop in shell command. Just have to understand how shell command works.
* Week3:
* Compilation processes for different languages.
* Different languages, compile language
* Be familiar with data structure in python and how to use them
* Week 4:
* Use git, and know how to use git
* Put focus on practical usage for git
* What commands you need to do something
* Week 5:
* How each part of memory works
* Week 6:
* Key encryption, different types of key encryption. What they do and their differences. How ssh works
* Signature, understand how signature works (slides are sufficient)
* Week 7:
* System calls, different calls
* What is system calls and what does it really do
* Make sure understand pointers very thoroughly
* Week 8:
* Parallel programming
* Pros and cons for each
* Week 9:
* Pthread synatxes

, how to use APIs under pthread.

Bring notes to project!

Knows how diff works (the code for diff)

Design a server, gives example of protocols

Public key and symmetry key, why would you choose one key over the other key

Inode contains information of the file

Each file has:

File-> inode -> disk

When we create a new, an inode is automatically created.

If you create a hardlink of disk file, these two files will share the same inode, if you create a soft link, the node points to same inode

How diff generates output:

First find the longest common subsequence

Subsequence: don’t have to be adjacent to each other, their order has to be the same