CS241 #29 – Files, Directories, symlinks #3

What do the following do?

chmod 600 fileA

chown angrave fileB

chown -R angrave .

chmod o-rwx fileC # Hint : u=user,g=group,o=other

How do I find out if an inode is a regular file or directory or something else?

Problem: How do I recurse into subdirectories? (+ Fix any errors )

**void** **dirlist**(**char**\*path) {  
   
 **struct** dirent\* dp;  
 DIR\* dirp = **opendir**(path);  
  
 **while** ((dp = **readdir**(dirp)) != **NULL**) {

**char** newpath[**strlen**(path)+**strlen**(dp->d\_name)+1];

**sprintf**(newpath,"**%s**/**%s**", newpath, dp->d\_name);

**printf**("**%s%s** \n", dp->d\_name);

**dirlist**(newpath);  
 }  
}  
**int** **main**(**int** argc, **char**\*\*argv){**dirlist**(argv[1]);**return** 0;}

Fixes required / Notes:

**> Symbolic links?**

How do they work?

How do I make one?

How do I use readlink?

Why use lstat() instead of stat() ?

**> Symbolic vs Hard links Gameshow**

advantages? disadvantages?

> Why would I want to set a directory's sticky bit?

> How do I set the sticky bit?

> Which directory will have the sticky bit set?

**> What does ‘env’ do?**

> **Why do shell programs start with**

#!/usr/bin/env python

**> How do I make 'hidden' files i.e. not listed by "ls"? How do I list them?**

**> File permissions and directories**

**>File system mounts and virtual file systems**