

MORE LINUX

**WSL Users — access windows files:
cd /mnt/c/Users/username**

ALIASES

- Give a short name to use in place of longer command
- Add in ~/.bashrc
- Example:

```
alias la='ls -a'
```

FILE PERMISSIONS

- 3 types of users:
 - owner - owner of the file
 - group - members of group associated with file
 - other - everyone else
- 3 types of access:
 - read
 - write
 - execute

FILE PERMISSIONS (CONT.)

- See current permissions: `ls -l`
 - char 0 = filetype
 - chars 1-9 = file permissions
 - then ACL flag, # links, owner, group, size, mod date, and filename
- 3 characters for each of owner, group, other
 - specify read, write, execute permission
 - Example: '-rwx-----' means only owner can do anything

FILE PERMISSIONS - HOW TO CHANGE?

- `chmod` command
 - `+` = add permission
 - `-` = remove permission
 - Ex: ``chmod g+x, o+x'`
- Numerical shortcut: (sum to get combo)
 - 4 = read
 - 2 = write
 - 1 = execute

ENVIRONMENT VARIABLES

- PATH - where the shell looks for programs
- To modify:
 - Open `~/ .bashrc`
 - add `export PATH="newpath:$PATH"`
 - adds newpath to the beginning of path
 - Open up `~/ .bash_profile` -- look for a line with `.bashrc`
- Path is searched in order listed