

# COMP 322: Lab 7: Basics of Command Line and Unix and Familiarity with Phasers

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# Goals

- Familiarity with the command line on Unix shells.
- Increase familiarity with phasers - OneDimAveraging.

- MAC, Linux users -> Use Command prompt
- Windows users -> Install Cygwin (Standard linux environment for windows users)
- Three basic elements: command, options, and arguments.
- Files, Directories
- Symbols -> /, . , .. ,

# Operation on files and directories

- Creation -> `mkdir`, `touch`
- Editing -> `rm`, `cp`, `mv`
- View -> `ls`, `pwd`, `less`, `cat`, `man`
- Search -> `grep`, `awk`, `find`

# Familiarity with Phasers

- The code in `OneDimAveraging.java` performs the iterative averaging computation discussed in the lectures
- Your task is to create a more efficient phased version of `runSequential()` by using point-to-point synchronization with phasers instead