CSC207: Useful Unix and Subversion Commands

Unix commands:

- Editing and showing file content

    - `setenv SVN_EDITOR nedit` → make `nedit` your editor.
        * If you'd prefer to use a different editor, `nano`, `vi`, `emacs` and `ed` are all available on CDF.
        * For anyone using `bash`, the command to use is: `export SVN_EDITOR=nedit`
    - `nedit` *file* → edit file named *file* using editor `nedit`
    - `cat` *file* → show the content of the file *file*

- Showing current directory and directory content

    - `pwd` → display the path to the current directory ("print working directory")
    - `ls` → list files in the current directory
    - `ls` *dir* → list files in the directory named *dir*
        * The option `ls -l` *dir* produces more details ("l for long").
        * The option `ls -a` *dir* also displays hidden files and directories (the ones that begin with ".").

- Changing to a particular directory

    - `cd` *dir* → enter the directory named *dir*
    - `cd ..` → go to parent directory
    - `cd` → go to your home directory
    - `cd ~` → go to your home directory
    - `cd -` → go back to a directory we just came from

- Creating a directory

    - `mkdir` *dir* → create a new directory named *dir*

- Copying, renaming, deleting, and moving files and directories

    - `cp` *file1 file2* → create a copy of *file1* named *file2*
    - `cp` *file dir* → create a copy of *file* in the directory named *dir*
    - `rm` *file* → delete the file named *file* ("rm for remove")
    - `rmdir` *dir* → delete the directory named *dir* (*dir* must be empty)
    - `rm -r` *dir* → delete the directory named *dir* and all its content (use with caution!)
    - `mv` *file1 file2* → rename *file1* as *file2*, or move *file1* to new location *file2* ("mv for move")

Subversion commands

- `svn checkout URL/PATH` – check out a working copy from a remote repository `URL`/local repository `PATH`. (Shorthand `svn co`.)

- `svn update [PATH...]` – update your working copy. (Shorthand `svn up`.)

- `svn add PATH...` – add new files or directories to the repository.

- `svn delete URL/PATH ...` – delete an item from a working copy or the repository.

- `svn commit` – send changes from your working copy to the repository. (Shorthand `svn ci`.)
  `svn commit -m 'the log message'` – specify the log message that will be associated with the current commit.

- `svn status` – print the status of working copy files and directories. (Shorthand `svn st`.)