

Demo: BASH

Unix

- Built into OSX, available for Windows 10 (replaces cygwin)
- Power and control over your computer
- Speed up workflow
- Command line = more control (manual)
- GUI (graphical user interface) = visual (automatic)
- Kernel = core of OS (operating system)
 - Allocates time and memory to programs
- Shell = outer layer of OS
 - Interacts with user
 - Sends requests to kernel
- Bash = Bourne Again Shell
 - echo \$0

Terminal

- Applications > Utilities > Terminal
- OR launch Utilities (shift + command + u) from finder
- OR Spotlight Search (command + spacebar)
- Bash command line prompt
 - Left/Right Arrow keys to navigate text
 - Up/Down Arrow key to cycle through prior commands
 - Move cursor to start (control + a)
 - Move cursor to end (control + e)
 - Move cursor inbetween (option + click)
 - Zoom text (command + +/- / 0)
 - Auto complete (tab)
 - Clear (command + k) or type clear
 - End process (control + c)
 - End session type exit or close terminal window

Command Structure

- Command Options Arguements
 - echo 'hello world'
 - banner -w50 'hello world'

Navigation commands

- pwd = present working directory
- ls = list contents of pwd
- cd = change directory
 - cd Desktop
 - cd Desktop/myfolder
 - OR cd + drag folder on to terminal window (kind of a cheat)
- cd .. = go up a directory
- cd ../.. = go up two directories
- cd / = go to root of computer
- cd ~ = go to user directory
- cd - = toggle between last 2 directories
- dealing with directories that have names with spaces
 - cd my\ directory (escape character)
 - cd 'my directory' (use quotes)
- open yourpage.html = open page in default browser

Create files and folders

- touch
 - create files
 - touch test.html
- mkdir
 - make directory
 - create folders
 - mkdir css

Connect to server

- open 2 terminal windows
- remote
 - ssh youridentikey@creative.colorado.edu
 - password
 - ls
 - cd public_html
 - mkdir or cd into existing directory
- local
 - cd into directory
 - scp yourpage.html
youridentikey@creative.colorado.edu:public_html/yourdirectory
 - password

Star Wars (optional)

- telnet towel.blinkenlights.nl
- mac high sierra users needs to install telnet via homebrew
- /usr/bin/ruby -e "\$(curl -fsSL
<https://raw.githubusercontent.com/Homebrew/install/master/install>)"
- brew install telnet