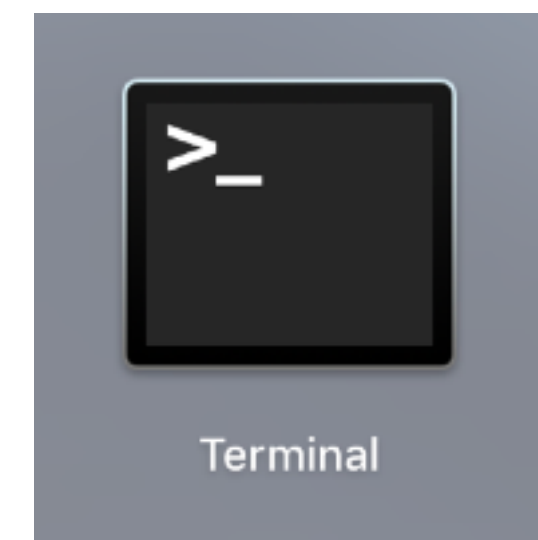
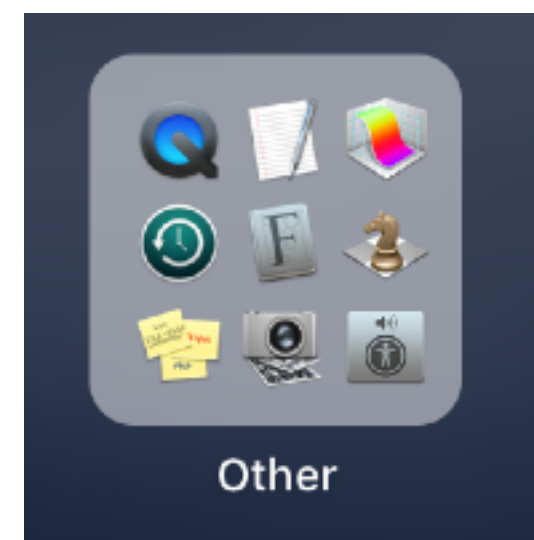


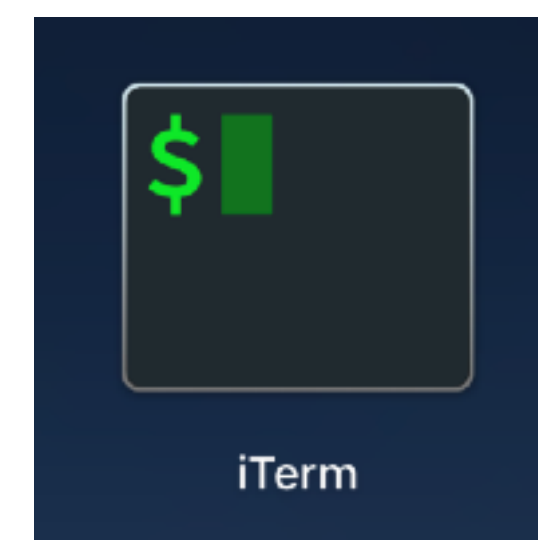
The UNIX Terminal

- Predecessor and very similar to the terminal used in
 - LINUX - many scientific computing clusters
 - Mac OS X - this lab and many of your own laptops/computers
- Useful for
 - accessing programs that run with a command line interface (CLI)
 - automation

- To start the terminal on a Mac:



- I actually usually use another program:



UNIX Terminal Essentials

- Try the following commands
 - echo \$SHELL - echo reports the value of a variable. \$SHELL is the terminal interface you are using, and will affect the details of all other commands. bash is a popular shell.
 - File operations
 - ls – list files and directories
 - cp – copy files
 - rm – remove files and directories
 - mv – rename or move files and directories to another location
 - Directory management
 - pwd – confirm current directory
 - cd – change directory
 - mkdir – make new directory
 - rmdir – remove directory
- Also see
 - <https://www.unixtutorial.org/basic-unix-commands>
 - An Introduction to Linux (<https://www.youtube.com/watch?v=IVquJh3DXUA>). Work with the terminal starts at 3:35