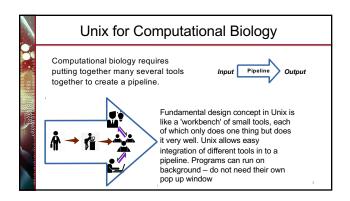
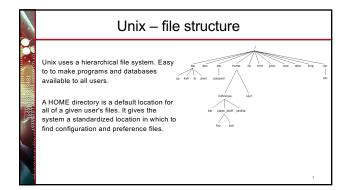
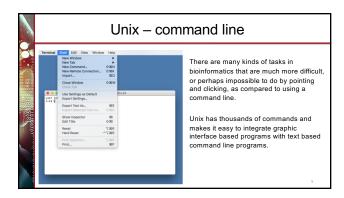
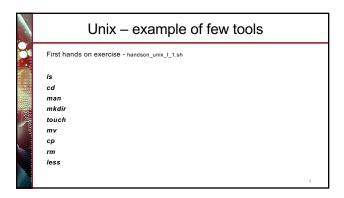


Today's Instructor Bioinformatics and Computational Biosciences Branch (BCBB), Rocky Mountain Laboratories (RML), NIAID, NIH, Hamilton, MT USA. Contact our team via email: Email: ace@icermali.org Listserv: ACE-MALI-L@LIST.NIH.GOV Instructor: amitava.roy@nih.gov









Unix - aliases and profile

From output of "**Is**", it is not often clear what is a directory and a file. "**Is** –**I**" put a "d" at the start of each line. "**Is** –**p**" put a trailing slash at the end of a directory.

"rm -i" makes "rm" a little bit safer by asking confirmation before deleting.

Luckily, there is a way of doing this by using Unix aliases. alias Is='ls -p'

To Unalias temporarily - "\ls", "command Is"

Permanently - "unalias Is"

Aliases only exist in the current terminal session. If you log out, or use new terminal window, then you will have to retype the alias.

We can create a file storing all the aliases and load them automatically $% \left\{ \left(1\right) \right\} =\left\{ \left(1\right)$ every time.We are going to use a text editor (gedit, TextEdit...) to create a file "profile". Write the aliases you want

some useful command line short-cuts alias ls='ls -p' alias rm='rm -i'

To use the aliases type source "source profile"

You can also write the aliases directly to .bashrc file in your home directory, or sourcing the profile file containing the aliases from .bashrc

Unix – aliases and profile

If you name your file .profile in your home directory, then it will be loaded automatically every time you log in.

If a filename starts with a dot, Unix will treat it as a hidden file. To see it, you can use "Is -a" which lists all hidden files.

All Unix commands are just files that live in directories somewhere on your computer. Unix uses something called \$PATH (which is an environment variable) to store a list of places to look for programs to run. If we develop some scripts, and want them to be able to run from any directory, we can update the variable \$PATH In our .profile file by adding

PATH=\$PATH":\$HOME/script_directory"

Unix – a	liases an	d profile

3

	Unix – Match making
100	You will often want to search files to find lines that match a certain pattern. The Unix command grep does this (and much more).
18+81	You can also replace a pattern by another pattern by the command sed.
1888 SE	Second hands on exercise - handson_unix_1_2.sh
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