

CSI 3336 Systems Programming
Homework 4

1. Explain how bash manages execution of commands with regards to processes.
2. Provide the proper filename expansion for the following (assume local directory)
 - a. all files ending in .sh
 - b. all files beginning with assign
 - c. all files beginning with assign ending with any character and .tar.gz
 - d. all files beginning with assign ending with a single digit and .tar.gz
 - e. all files in bob's home directory ending with .txt or .csv
3. Provide the proper regular expression for the following (assume single match per line)
 - a. all items that contain file
 - b. all items that begin with file
 - c. all items that end with ing
 - d. all items that contain the same 4 or 5 letter sequence twice
 - e. all items that contain a number immediately followed by a colon
 - f. all email addresses
4. Provide a one-liner to do the following
 - a. print all processes being run by the first user listed by who
 - b. send mail with the subject, "welcome", to all users listed in a .csv file, named "folks.csv", (one of the fields in the .csv file contains the user's email address). The body for the email is found in a file, named "welcome".
5. What must be provided to execute a program located in the local directory (assuming the local directory is not in the path)?