

# Bash Homework 1

CS 6014 Introduction to Computation as a Research Tool

February 2013

Due: 20 Feb. 2013

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## Information for Submission Requirements:

- Upload your bash script as an attached file;
  - Paste output from a sample run of the script into the textbox in Collab.
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## Background:

For this assignment, you will need to understand the following bash topics which are covered in the slides in Collab, listed under [Resources > Unix and Bash > Bash Scripting](#):

- How to create a bash script
- How to make a bash script executable
- How to execute a bash script

There are a few Unix commands that you may find to be both useful and fun. For example,

- date
- finger
- fortune
- hostname
- ps
- who
- whoami

Try out each of these commands on fir. Also, try some of the options (e.g., `hostname -s` or `ps -u $USER`). If you need further information on any of these commands, you can use the on-line manual pages (e.g., `man hostname`) or the `--help` option (e.g., `ps --help`).

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## Task:

Using your vast knowledge of bash scripting, Unix commands, and environmental or shell variables, write a bash script that produces output comparable to the following, but for whatever user runs it (which can be you). Note: You will need to include the punctuation and the lines of asterisks shown in this example. But, the user ID and the list of processes will be different for you.

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Hello jmh5ad! Today is Thu Feb 14 10:48:25 EST 2013.

You are logged in as jmh5ad.

The machine you are using is fir-s.

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Your processes are

PID	TTY	TIME	CMD
304 ?		00:00:04	nxagent
340 ?		00:00:01	nxnode
353 ?		00:00:00	gnome-session
397 ?		00:00:00	dbus-launch
398 ?		00:00:00	dbus-daemon
431 ?		00:00:00	gconfd-2
438 ?		00:00:00	gnome-keyring-d
441 ?		00:00:00	gnome-settings-
446 ?		00:00:00	gvfsd
451 ?		00:00:00	metacity
457 ?		00:00:00	gnome-panel
460 ?		00:00:00	nautilus
462 ?		00:00:00	bonobo-activati
472 ?		00:00:00	gnome-power-man
476 ?		00:00:00	gnome-volume-co
483 ?		00:00:00	wnck-applet
489 ?		00:00:00	gvfs-gdu-volume
513 ?		00:00:00	gvfsd-trash
516 ?		00:00:00	gnome-screensav
518 ?		00:00:00	clock-applet
545 ?		00:00:02	gnome-terminal
546 ?		00:00:00	gnome-pty-helpe
2359 ?		00:00:00	sshd
2360	pts/103	00:00:00	bash
20494	pts/148	00:00:00	myScript
20498	pts/148	00:00:00	ps
32736 ?		00:00:00	sshd
32738 ?		00:00:00	nxnode

Here is a fortune for you:

The people rule.

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Note: You are on your honor to do your own work on this assignment.