Linux Admin
Class 4 - Midterm Review

By Ian Robert Blair, M.Sc.

Agenda

- About the exam

- Review Questions

The Exam

- The midterm exam will have 30 multiple choice and short answer questions

- The exam will begin at 8:15 am and end at 10:00 am

- The exam is closed book!

- All cellphones must be in your bags

- All bags must be left in the front or back of the classroom

- Absolutely no talking during the exam

Exam

- The exam will cover the material in powerpoint presentations 1-3, homework assignments, and reading from the book

- Let's review…

Questions 1

- What command would I use to change to my previous path?

- "rmdir" allows me to remove a directory, and all the files/subdirectories it contains? True or False

- How do I change the modification time of a file?

- Write a single command to create the following directory and it's parents: /software/oracle

- How do I find out the type of a file?

- Which file do I edit to display system information prior to login via ssh?

    - /etc/message

    - /etc/issue

    - /var/log/messages

    - /etc/issue.net

Questions 2

- Which file do I edit to display system information prior to login via ssh?

    - /etc/message

    - /etc/issue

    - /var/log/messages

    - /etc/issue.net

- After adding a new user with the useradd command, the user can't log in. What do I need to do to correct the problem?

- What command would I use to add a user to the wheel group?

- What are the benefits of using SUDO over SU?

- How do I undo a change in VI?
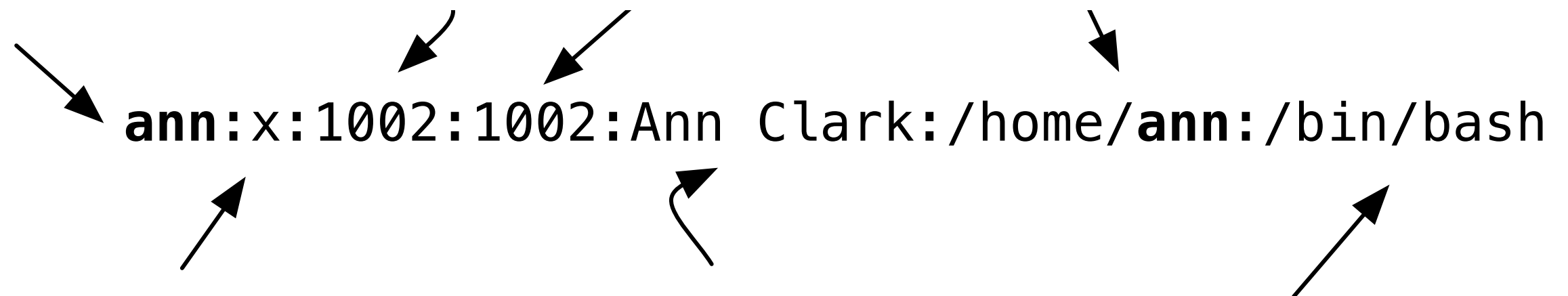
- How do I quit without saving in VI?

Questions 3

- What commands can I use to select columns(fields) from a text file database?

- I have to transfer a large file, 250MB. My email will only allow me to send 20MB attachments. How can I split this file into smaller ones?

- If I want to watch the activity of my FTP server, which command can I use?

- How can I find out how many new files are uploaded to my site every day?

- What are the following directories usually used for: /root, /boot, /etc, /dev, /var?

- How do I remove rights for others from a directory and all the files it contains?

- How do I read ACLs?

- What is a LVM physical volume, volume group, and logical volume?

Questions 4

- I want to watch the output of my program in the terminal and also send it to a text file? How do I do that?

- How do I list all processes, including the processes of other users?

- I copied all of the commands I need to run in a text file, what do I have to do to make it a shell script?

- What types of loops are supported in bash?

- When would use the "case" control structure?

- How do I see the exit code of the last command?

Questions: /etc/passwd

ann:x:1002:1002:Ann Clark:/home/**ann**:/bin/bash

Questions: ls -l

```
-rwxr-xr-x+  1 sam pubs  2048 06-10  memo
```

Contact

Ian Robert Blair, MSc.

ian.robertblair@icloud.com

QQ: 2302412574

Notes

- Add chsh [-l] to change shell