

Purpose: This assignment covers backups and termcap.

Backups—

tar: Make a tar back up of the home directory of your user (bob) to your removable device (floppy or flashdrive). Confirm that the backup was made using the **t** option.

Note: This is a tar device not a tar file. It does not have a directory structure, so no mkfs should be done; all information on the device before the tar will be destroyed. After you do the backup, your device will look like a tape.

1) Submit: the sequence of commands from login up through the tar command that lists the tar contents.

tar, extracting an archive: Login as root, this puts you in **/root**. Extract the contents of the compressed tar file **~djv/giant.tgz**, preserving the permissions. (Note, this should build a directory called **giant** inside **/root**.)

2) Submission: The exact command you used. Inside **giant** there are three subdirectories, submit: the names of these three directories. (This lets me know you unwound the archive.) Pick any of these subdirectories, you will find a file inside it, submit: the name of the file, who owns the file, what group the file belongs to and the access rights (the **rwX** stuff) for the file. (This lets me know you preserved permissions.)

As root, extract the contents of the compressed tar file **~djv/house.txz**, preserving the permissions. (Note, this should build a directory called **house** inside **/root**.)

3) Submission: The exact command you used. The contents of the file called **wolf**.

Encryption: The file is encrypted using gpg with the passphrase **troll**. Decrypt the file **~djv/joe.cr**.

4) Submit: the contents of the file.

Terminals—

5) Termcap. On the linux console: what sequence is used to start underlining?

6) stty. On the linux console: what key is used to stop (pause) the output to the screen? What command would you give to define control-Y to be the key used to stop the output?