Unix Commands – Discovery

Part 1

* Pwd – (Present Working Directory) – where you are now.
* Cd – change directory
* ls – list files
* echo hello world – prints hello world
* date – prints date with time – 24 hour clock -
* hostname – prints host name –
* arch – prints machine architecture
* uname – print system information
* **dmesg** examines or controls the kernel ring buffer.
* Uptime – states usage details
* **whoami** prints the effective user ID

Part 2

* cat /usr/share/dict/words – lists all words
* cat /usr/share/dict/words | grep "ous$" – lists all words that end in ous
* wc -l /usr/share/dict/words – counts all the words
* cat /usr/share/dict/words | grep "ous$" | wc –l – counts all the words that end in ous
* ls -al /usr/share > ~/ls.txt –> ls -> list, -al -> the a says don’t hide any content starting with . and l says use a long listing format. 🡪 then it says where to search.

Unix command problems

1. History |”cat”| wc –l
2. Grep “^a” /usr/share/dict/words | wc –l
3. 3.2.0-65-generic-pae GNU/Linux
4. uname -o -r
5. grep “^a” /usr/share/dict/words | grep “s$”
6. wget www.lighthouselabs.ca/index.html

UNIX COMMANDS & CONCEPTS

http://www.cs.bu.edu/teaching/unix/reference/

mkdir hw1

Mkdir makes a directory that can hold files and other subdirectories. Above, we issued a command to make a directory called hw1 under the current directory.

Cd – change directories

Pwd – shows what file youre in

ls- list files

cat – look at the contents of a text file

less- look at the contents of a text file pg by pg

cp- copy a file

mv- move a file

rm – remove a file

man- show manual page by pg

**Task:** Submit homework electronically for a CS course  
**Example:**

**gsubmit** cs112 hw1/

To submit homeworks, you'll typically use the gsubmit command as in the first example. The first [argument](http://www.cs.bu.edu/teaching/unix/reference/vocab.html" \l "arg" \t "vocab) is always the identifier for the course to which you are submitting. Note that you will usually submit an entire directory which contains files for the assignment.

The first time you submit something to a course, it will ask you for some information.