

### Bash Variables

Commands	Description
env	Shows environment variables
\$PATH	Search Path
\$SHELL	Displays current shell
\$HOME	Displays Home Directory
echo	outputs the value of a variable
\$NAME	

### File Commands (Options)

-a	show hidden files
-A	show hidden except..
-d	only show directories
-h	human readable size
-i	inode info
-l	long list
-m	output as csv
-r	sort in reverse order
-S	sort by file size

### Bash Shortcuts

CTRL-c	stop current execution
CTRL-z	sleep
CTRL-a	start of line
CTRL-e	end of line
CTRL-r	search history
!!	repeat last command
ALT-.	last argument of last command

### Directory Commands

pwd	show current directory
mkdir	makes directory
cd dir	goes to directory
cd	goes up a directory
ls	list files
touch	creates or updates file
cat	places standard input into file
tail	outputs last 10 lines of file
rm	removes file

### List options

-R	recursive list
-a	show all
-r	reverse order
-t	sort by last modified
-1	one file per line

### File Search

grep -i	Case insensitive search
grep -r	recursive search
grep -v	inverted search
grep -o	show matched part of file only
whereis	find source of command 'command'
locate 'file'	locate a file

### Permissions

4	read
2	write
1	execute

### Terminal Shortcuts

screen	starts screen session
screen -r	resumes screen session
CTRL-A	activates commands
CTRL-A c	creates new terminal
CTRL-A n	next terminal
CTRL-A p	previous terminal
CTRL-A A	rename terminal

### Network

ping host	pings host
whois	gets whois information for domain
dig domain	gets dns info

### SSH

ssh	connects to host as user
user@host	
ssh -p port	connects to specific port to user@host
host as user	

### Shortcuts

Ctrl+C	Halts command
Ctrl+Z	Stops current command
Ctrl + D	Logs out
Ctrl + W	erases one word in line
Ctrl + U	erases line
Ctrl + R	most recent command
exit	logs out of session

