1s Command (Include -1 option for listing)

The 1s Com	mand (metal
The 13	Displays
Command	All Glenames including those beginning with a dot
a	Only filenames beginning with a dot
15 -d ·*	Degreeive file list
15 -R	Long listing in ASCII collating sequence
15 -1	Filenames in /etc
1s /etc	Only /etc
1s -d /etc	Listing of/etc
15 -1d /etc	The angle of all filenames in /etc
15 -1 /etc	De aureive listing of all filenames in file system
1s -1Ra /	Filenames sorted by last modification time
1s -t	Filenames sorted by last access time
15 -U	Inode number
1s -i	contra makes navigation easier)

Switching Directories (Setting CDPATH makes navigation easier)

Switching Di	rectories (See 3
Command	Action
	Switches to home directory of sharma
cd ~sharma	C : Los to directory \$HOME/snarma
cd ~/sharma	Toggles between current and previous directory
cd -	Toggles Detween editeration 1
cd	Switches to \$HOME - Regular Expressions (EREs available in grep -E, eg
	- Popular Expressions (EKES available in 910p - 7

Wild-cards vs Regular Expressions (EREs available in grep -E, egrep and awk)

The state of the second	s Regular Expression Regular Expression	Maiches
wild-card ijk] b-m] !b-m] !a-zA-Z0-9]	.* g* g? g+ [ijk] [b-m] [^b-m]	Any number of characters including none A single character Zero or more occurrences of the previous character Nothing or g, gg, ggg, etc. Nothing or g (ERE) g, gg, ggg, etc. (ERE) i, j or k Any character between b and m Any character not between b and m Any non-alphanumeric character #include at beginning of line */ at end of line MARK as only word in line Lines containing nothing GIF or JPEG (ERE) lockwood or verwood (ERE)

Filters

Command	Displays from to
ricau - 11 5 too	Pirst 5 lines Last 3 lines Lines 5 through end Fields 1 and 3 delimited by: Fields 5 through end delimited by tab Lines delimited by: and sorted on field 2 Lines sorted numerically Only unique lines Only unique lines Only unique lines Frequency of occurrence of each line and the line Lines after replacing: with / Lines after conversion to uppercase Lines after squeezing multiple contiguous spaces to single space All characters except newline Lines containing printf Lines not containing printf Lines 5 through 9 After replacing first occurrence of echo with printf in each line After globally replacing echo with printf After deleting every; at end of line

The find Command (Search assumed to start from /)

Command	Matches El
find / -name a.out -print find / -name "*.c" -print find / ! -name "*.[ch]" -print find / -type d -print find / -user henry -print find / -size +4 -print find / -size 2048c -print find / -mtime +180 -print	Directories naving all permanic
	(only regular files)

hell Parame	Significance		
XPICSOL	Number of command line arguments		
#	Name of executed command		
0	All parameters as a single string		
* \$@"	As above, but quoted strings treated as separate arguments Exit status of last command		
	Exit status of last command		
?	PID of the current shell		
!	PID of the last background job		
est Expres	sions		
	rison (e.g. if [\$stg = "yes"] ; then)		
Expression	True if		
ss1 = \$s2	String s1 and s2 are identical		
\$s1 != \$s2	String s1 and s2 are not identical		
-n \$stg	String stg is not a null string		
-z \$stg	String stg is a null string		
Integer Comp	parison (e.g. if [\$count -gt 4]; then)		
Expression	True if		
\$n1 -gt \$n2	Integer n1 is greater than integer n2		
\$n1 -ge \$n2	Integer n1 is greater than or equal to integer n2		
\$n1 -eq \$n2	Integer n1 is equal to integer n2		
\$n1 -ne \$n2	Integer n1 is not equal to integer n2		
\$n1 -le \$n2	Integer n1 is less than or equal to integer n2		
\$n1 -1t \$n2	Integer n1 is less than integer n2		
File Attribute	Testing (e.g. if [-f foo]; then)		
Expression	True if		
-e foo	foo exists		
-s foo	foo has a size greater than zero		
r foo	foo is readable		
-w foo	foo is writable		
-x foo	foo is executable		
-f f00	foo is a regular file		
d foo	foo is a directory		
	foo is a symbolic link		
r 100	10013 4 5) 112		
-L foo -u foo	foo has SIIII) bit set		
	foo has SUID bit set foo has SGID bit set		