1.tar command examples

Create a new tar archive.	$ tar cvf archive_name.tar dirname/
Extract from an existing tar archive.	$ tar xvf archive_name.tar
View an existing tar archive.	$ tar tvf archive_name.tar

On Unix platform, tar command is the primary archiving utility.

4.ssh command examples

Login to remote host	ssh -l jsmith remotehost.example.com
Debug ssh client	ssh -v -l jsmith remotehost.example.com
Display ssh client version	$ ssh -V OpenSSH_3.9p1, OpenSSL 0.9.7a Feb 19 2003

ssh (SSH client) is a program for logging into a remote machine and for executing commands on a remote machine

9. sort command examples

$ sort names.txt	Sort a file in ascending order
$ sort -r names.txt	Sort a file in descending order
$ sort -t: -k 3n /etc/passwd	more	Sort passwd file by 3rd field.

10. export command examples

$ export | grep ORACLE	To view oracle related environment variables.
declare -x ORACLE_BASE="/u01/app/oracle"	
declare -x ORACLE_HOME="/u01/app/oracle/product/10.2.0"	
declare -x ORACLE_SID="med"	
declare -x ORACLE_TERM="xterm"	
$ export ORACLE_HOME=/u01/app/oracle/product/10.2.0	To export an environment variable:

14. cd command examples

Use "cd -" to toggle between the last two directories
Use "shopt -s cdspell" to automatically correct mistyped directory names on cd

15. gzip command examples

To create a *.gz compressed file:	$ gzip test.txt
To uncompress a *.gz file:	$ gzip -d test.txt.gz
Display compression ratio of the compressed file using gzip -l	$ gzip -l *.gz
compressed	uncompressed ratio uncompressed_name
23709	97975 75.8% asp-patch-rpms.txt

2.grep command examples

Search for a given string in a file (case in-sensitive search).	$ grep -i "the" demo_file
Print the matched line, along with the 3 lines after it.	$ grep -A 3 -i "example" demo_text
Search for a given string in all files recursively	$ grep -r "ramesh" *

The grep command is used to search text or searches the given file for lines containing a match to the given strings or words. By default, grep displays the matching lines

5. sed command examples

When you copy a DOS file to Unix, you could find \r\n in the end of each line. This example converts the DOS file format to Unix file format using sed command.	$sed 's/.$//' filename
Print file content in reverse order	$ sed -n '1!G;h;$p' thegeekstuff.txt
Add line number for all non-empty-lines in a file	$ sed '/./=' thegeekstuff.txt | sed 'N; s/\n/ /'

sed is a stream editor. A stream editor is used to perform basic text transformations on an input stream (a file, or input from a pipeline).

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8. diff command examples

# diff -w name_list.txt name_list_new.txt	2c2,3 < John Doe --- > John M Doe > Jason Bourne

Ignore white space while comparing.

13. pwd command

pwd is Print working directory. What else can be said about the good old pwd who has been printing the current directory name for ages.

3.find command examples

Find files using file-name (case in-sensitve find)	# find -iname "MyCProgram.c"
Execute commands on files found by the find command	$ find -iname "MyCProgram.c" -exec md5sum {} \;
Find all empty files in home directory	# find ~ -empty

The Linux find command is very powerful. It can search the entire filesystem to find files and directories according to the search criteria you specify

6.awk command examples

Remove duplicate lines using awk	$ awk '!($0 in array) { array[$0]; print }' temp
Print all lines from /etc/passwd that has the same uid and gid	$awk -F ':' '$3==$4' passwd.txt
Print only specific field from a file.	$ awk '{print $2,$5;}' employee.txt

7.vim command examples

Go to the 143rd line of file	$ vim +143 filename.txt
Go to the first match of the specified	$ vim +/search-term filename.txt
Open the file in read only mode.	$ vim -R /etc/passwd

11. xargs command examples

Copy all images to external hard-drive	# ls *.jpg	xargs -n1 -i cp {} /external-hard-drive/directory
Search all jpg images in the system and archive it.	# find / -name *.jpg -type f -print	xargs tar -cvzf images.tar.gz
Download all the URLs mentioned in the url-list.txt file	# cat url-list.txt	xargs wget –c

12. ls command examples

Display filesize in human readable format (e.g. KB, MB etc.,)	$ ls -lh -rw-r----- 1 ramesh team-dev 8.9M Jun 12 15:27 arch-linux.txt.gz
Order Files Based on Last Modified Time (In Reverse Order) Using ls -ltr	$ ls -ltr
Visual Classification of Files With Special Characters Using ls -F	$ ls -F