

1. List the user commands and redirect the output to /tmp/commands.list
2. Compress a file by compress, gzip, pack, zip commands and decompress it again.
State the differences between compress and gzip commands.
3. What is the command used to view the content of a compressed file.
4. Backup /etc directory using tar utility.
5. Starting from your home directory, find all files that were modified in the last two day.
6. Starting from /etc, find files owned by root user.
7. Find all directories in your home directory.
8. Write a command to search for all files on the system that, its name is “.profile”.
9. Identify the file types of the following: /etc/passwd, /dev/pts/0, /etc, /dev/sda
10. List the inode numbers of /, /etc, /etc/hosts.
11. Copy /etc/passwd to your home directory, use the commands diff and cmp, and Edit in the file you copied, and then use these commands again, and check the output.
12. Create a symbolic link of /etc/passwd in /boot.
13. Create a hard link of /etc/passwd in /boot. Could you? Why?
14. List the user commands that have set-uid permissions in the system.
15. List the user commands that have set-gid permissions in the system.
16. List the directories that have sticky-bit set in the system.

