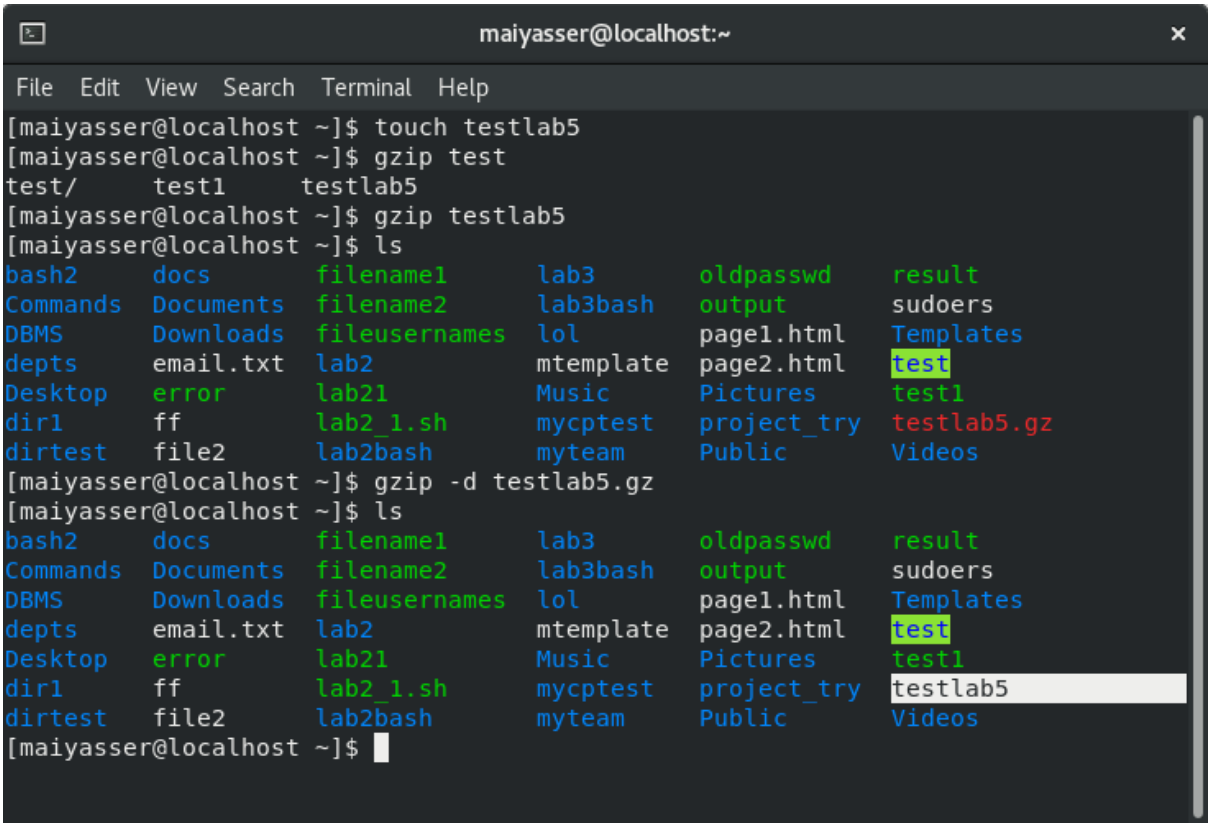
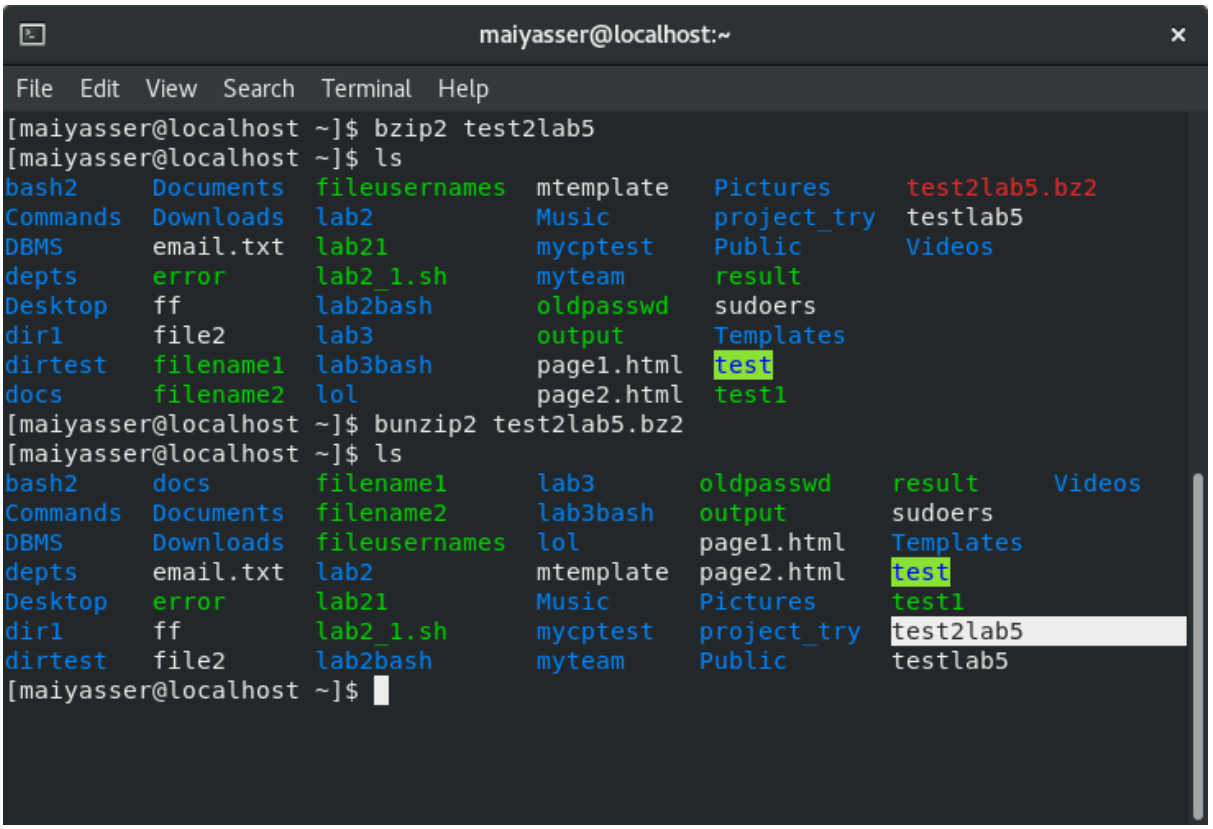
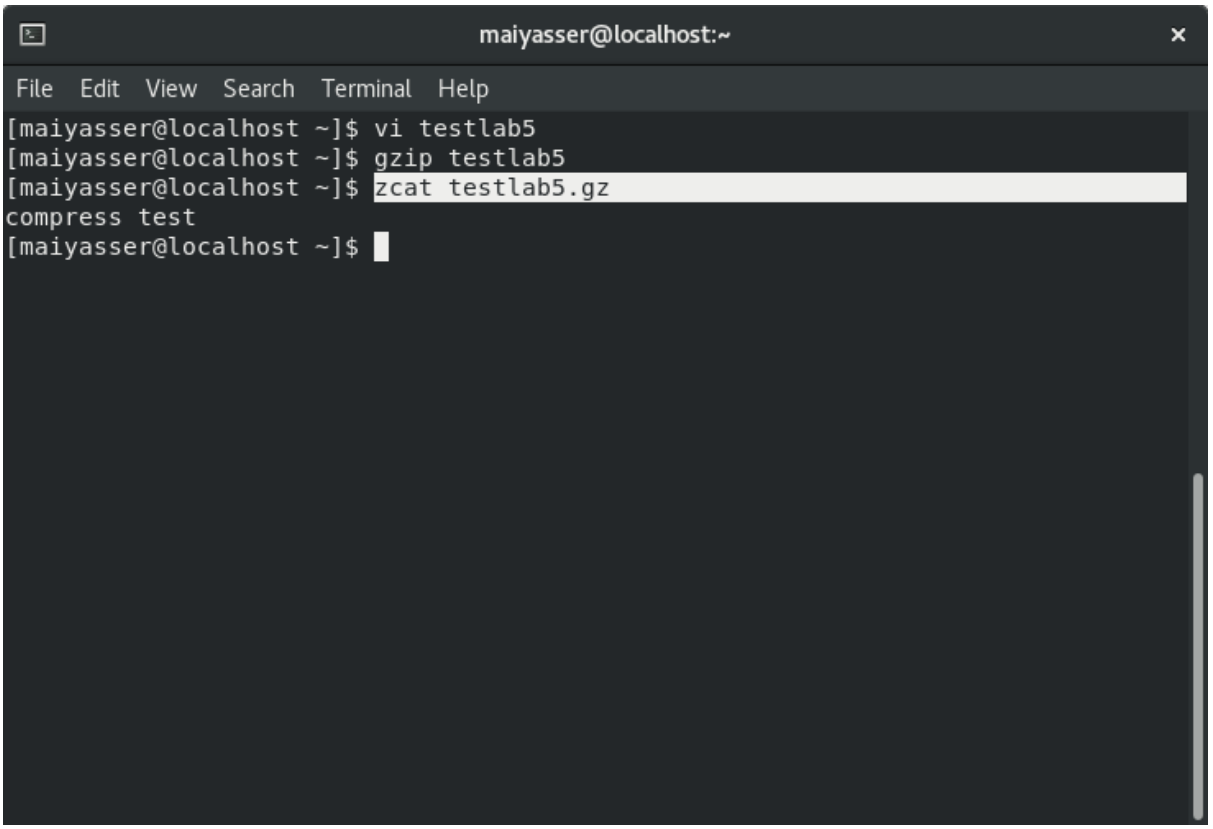
1. Compress a file by compress, gzip, zip commands and decompress it again. State the differences between compress and gzip commands:
Zip can compress multiple files and even entire directory hierarchies. gzip, on the other hand, compresses only a single file.

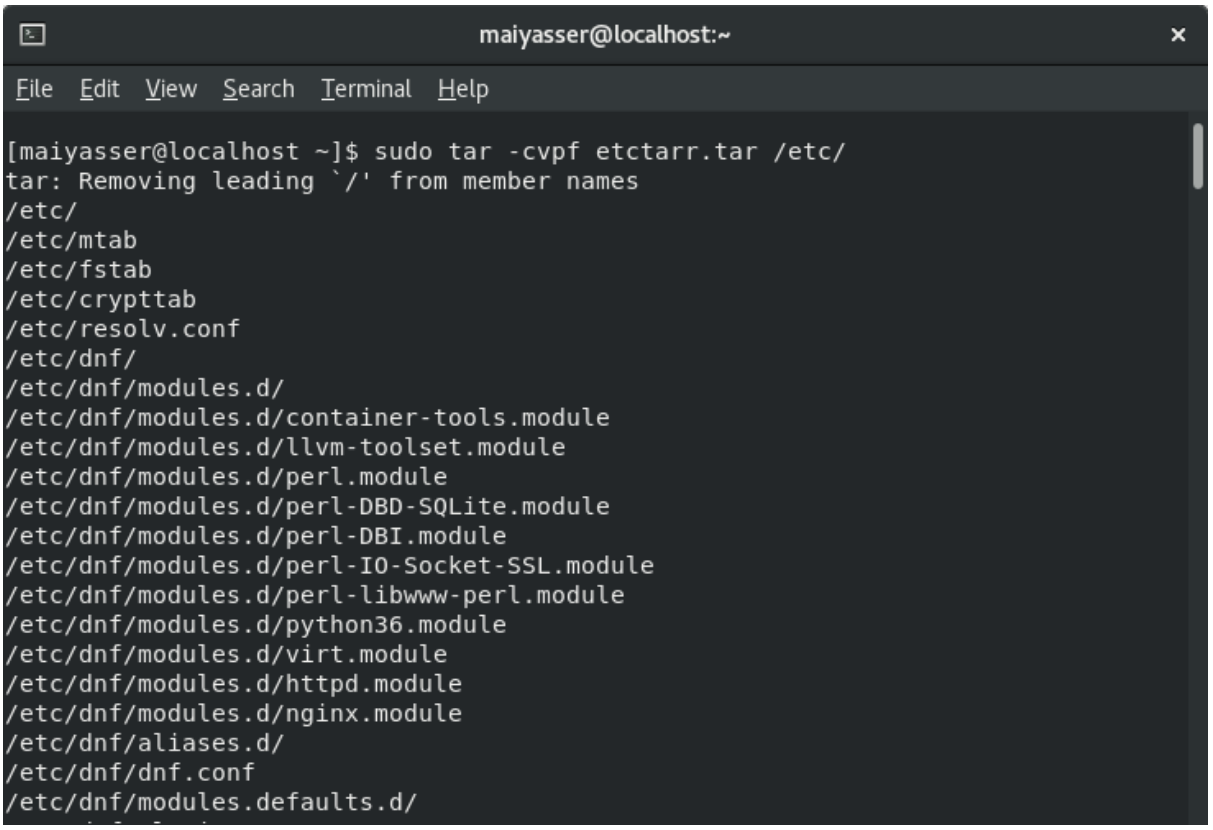




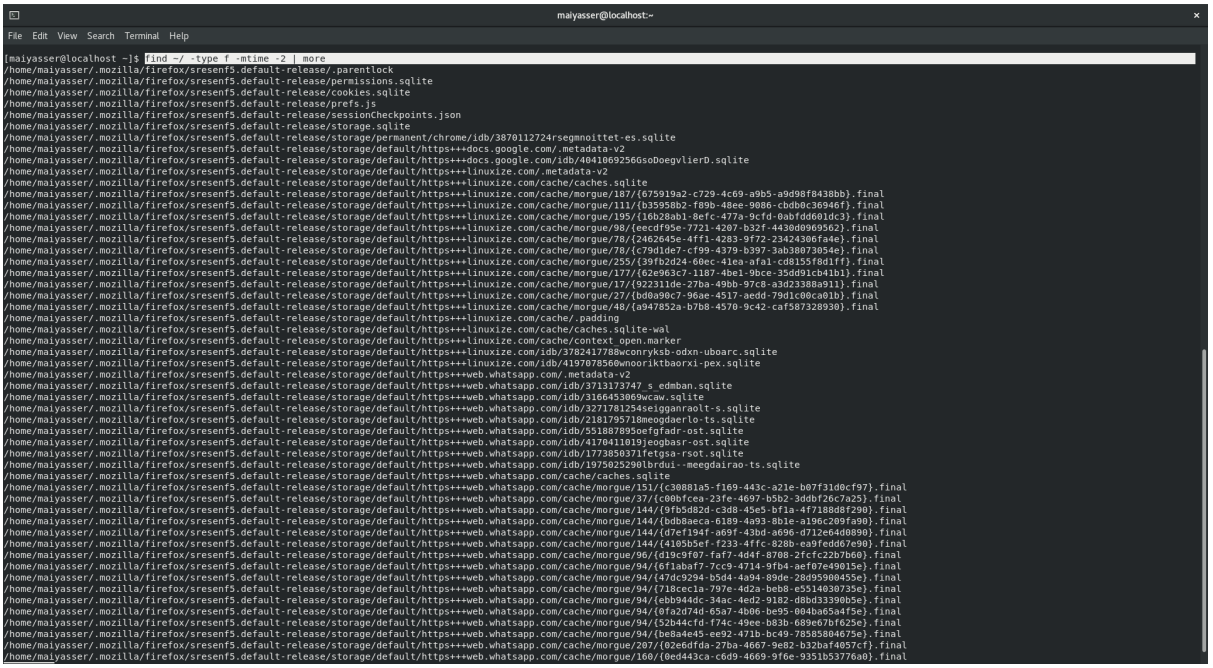
2. What is the command used to view the content of a compressed file.



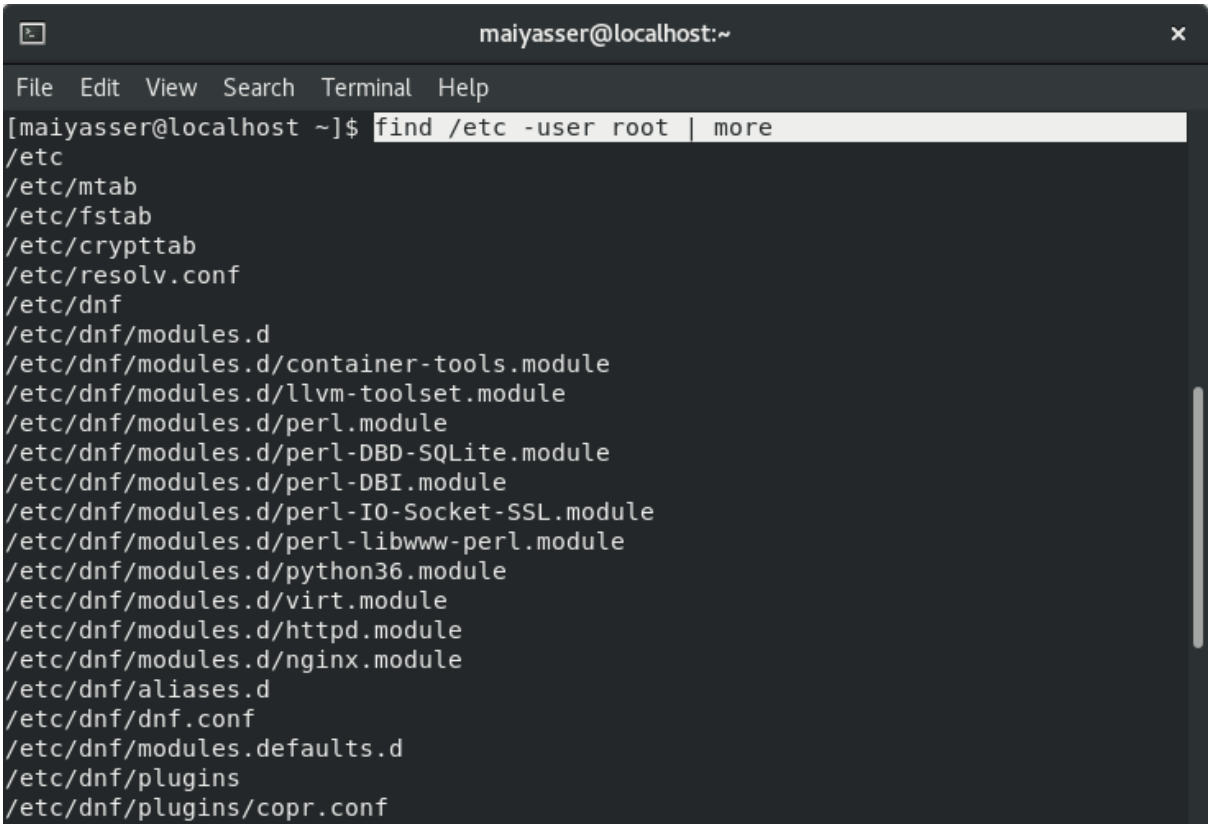
3. Backup /etc directory using tar utility.



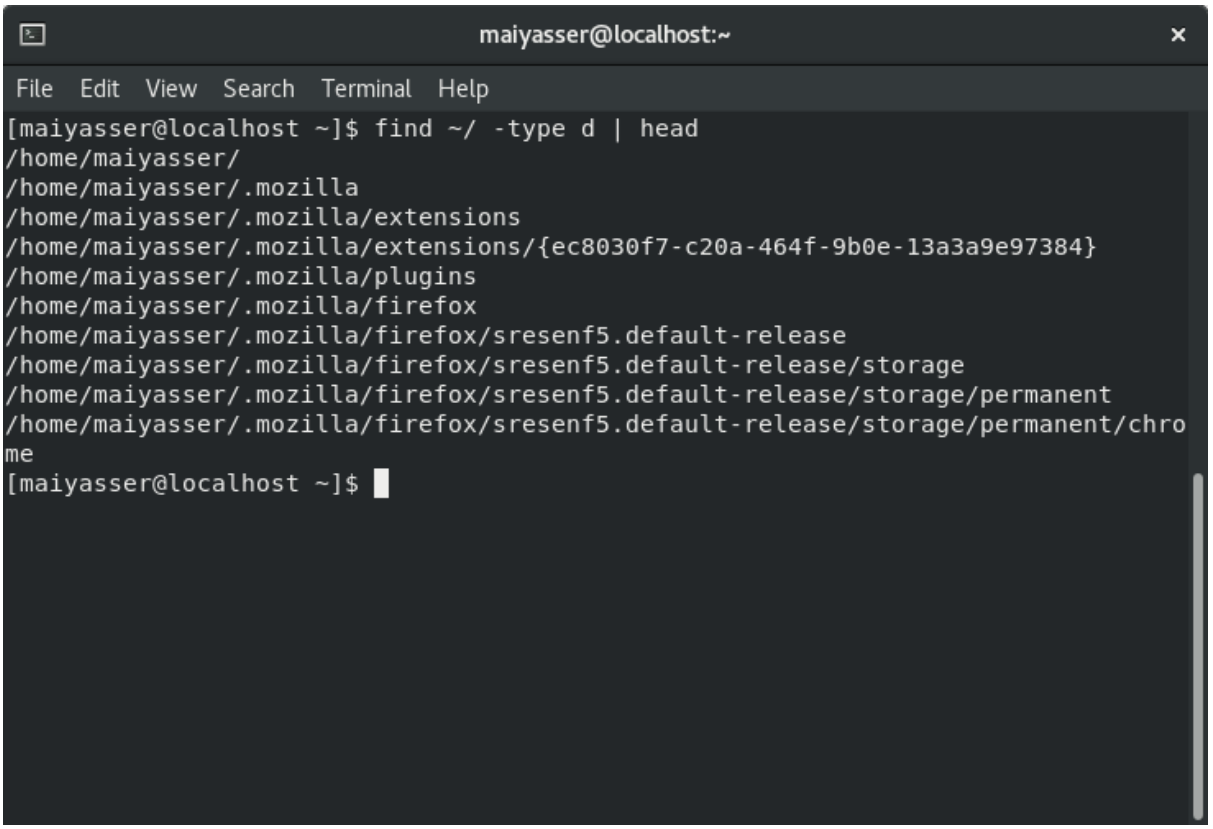
4. Starting from your home directory, find all files that were modified in the last two day.



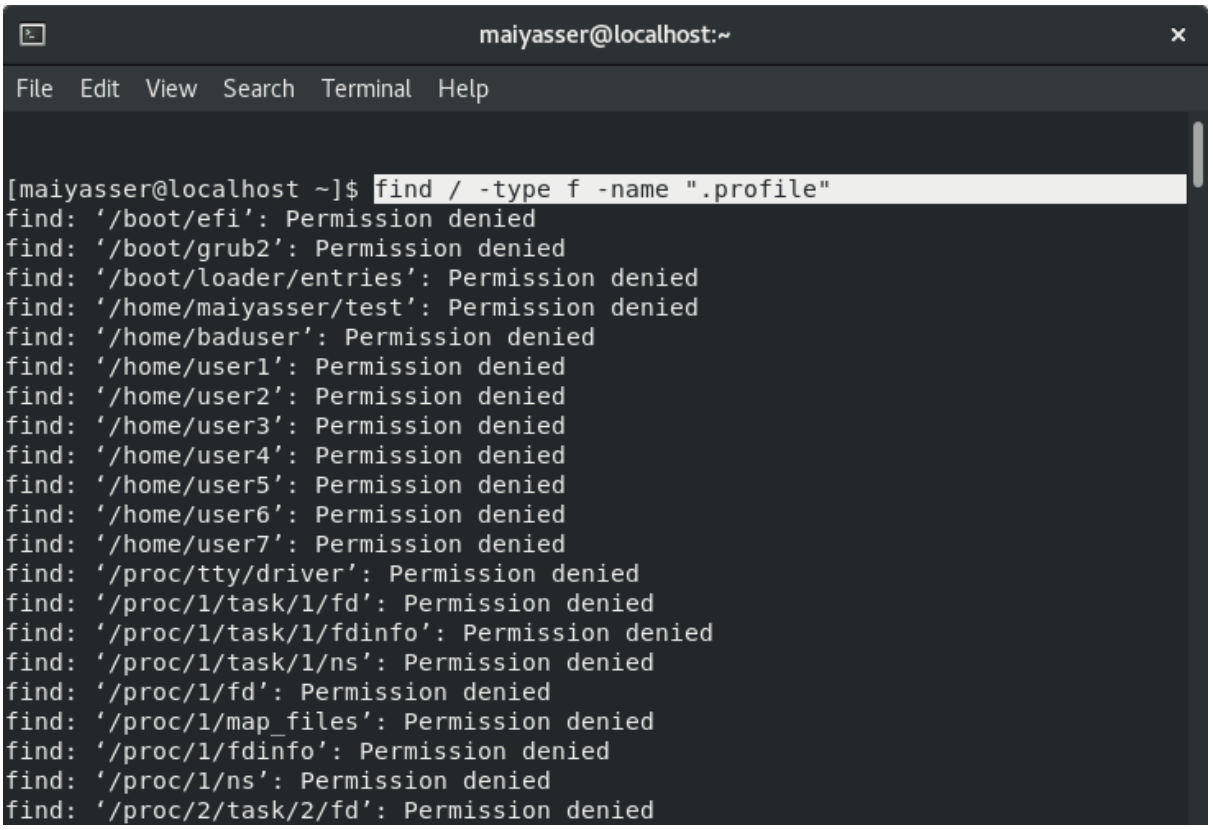
5. Starting from /etc, find files owned by root user.



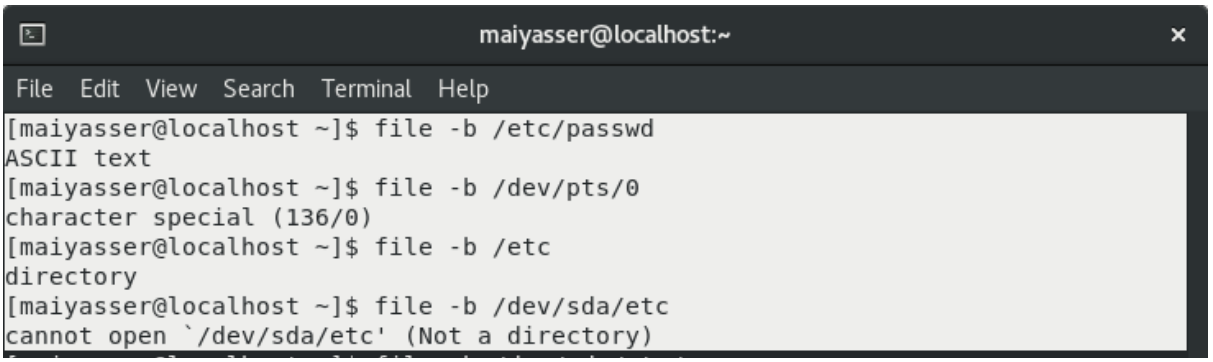
6. Find all directories in your home directory.



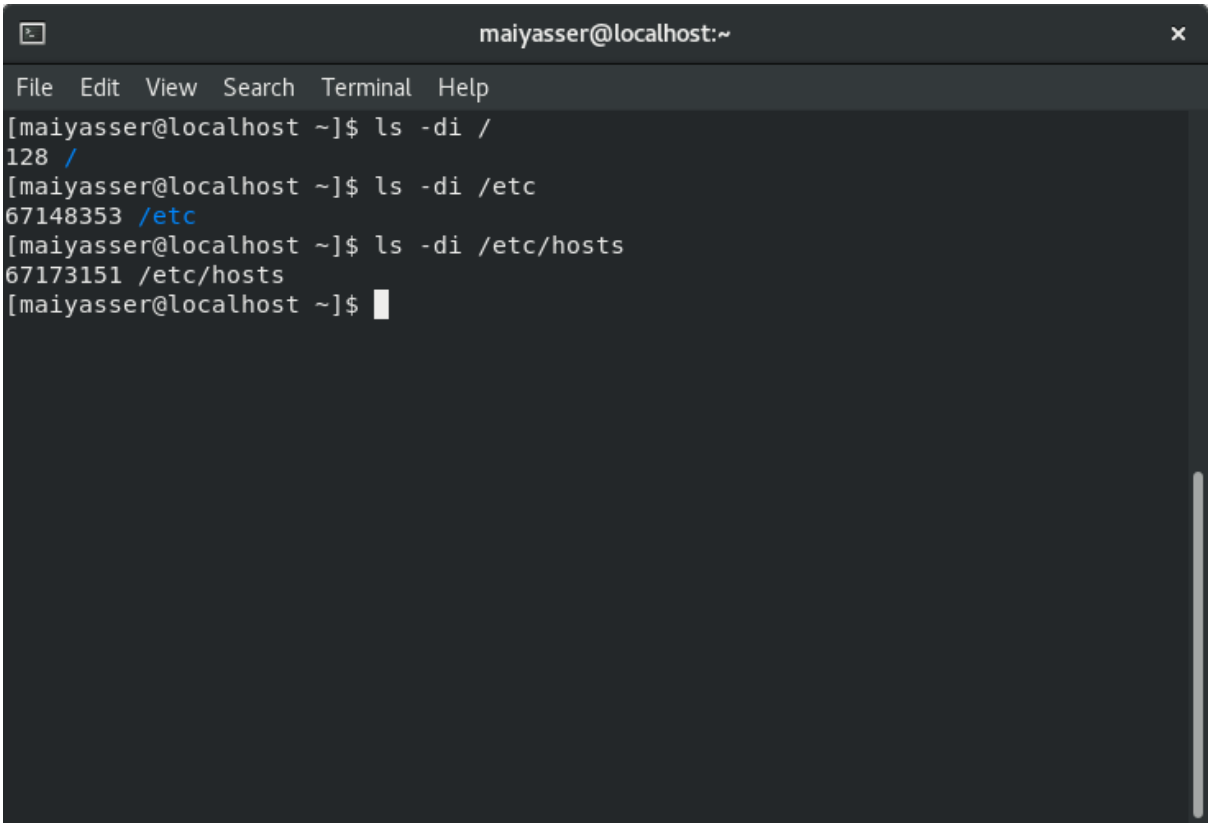
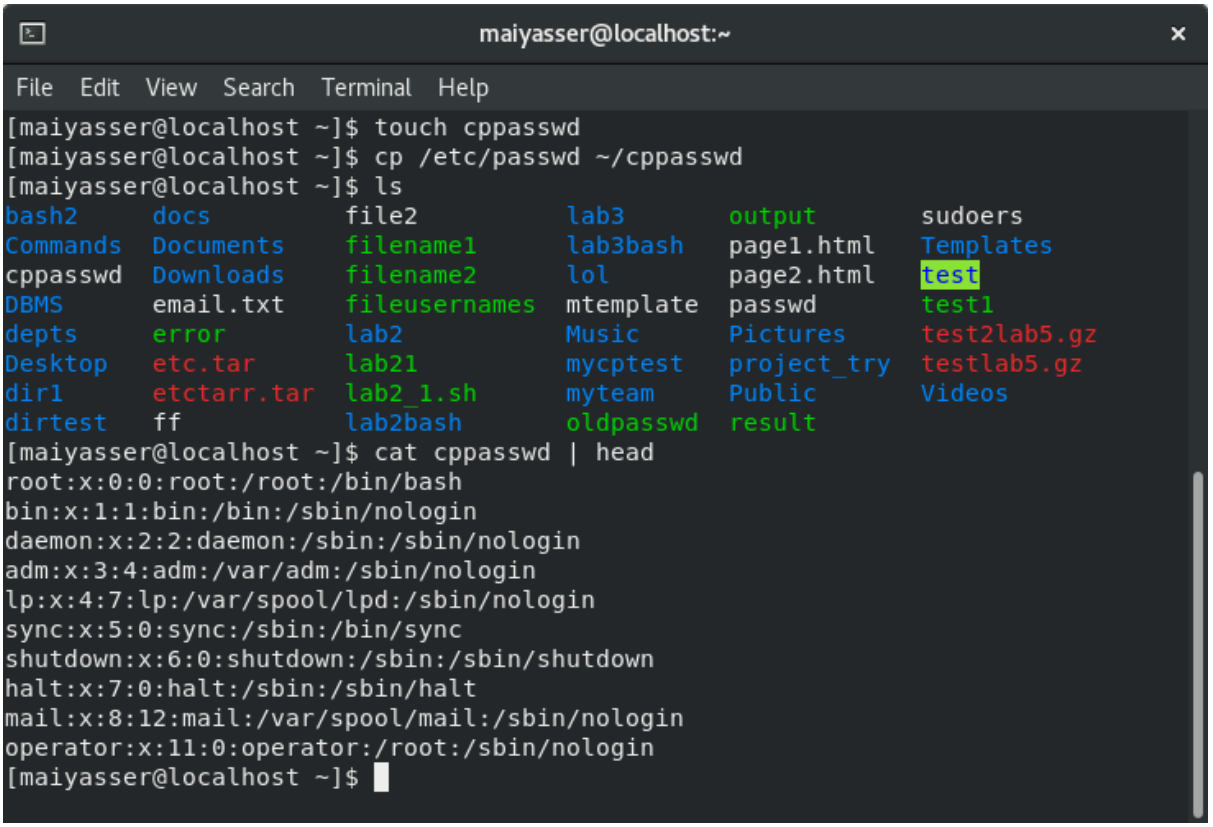
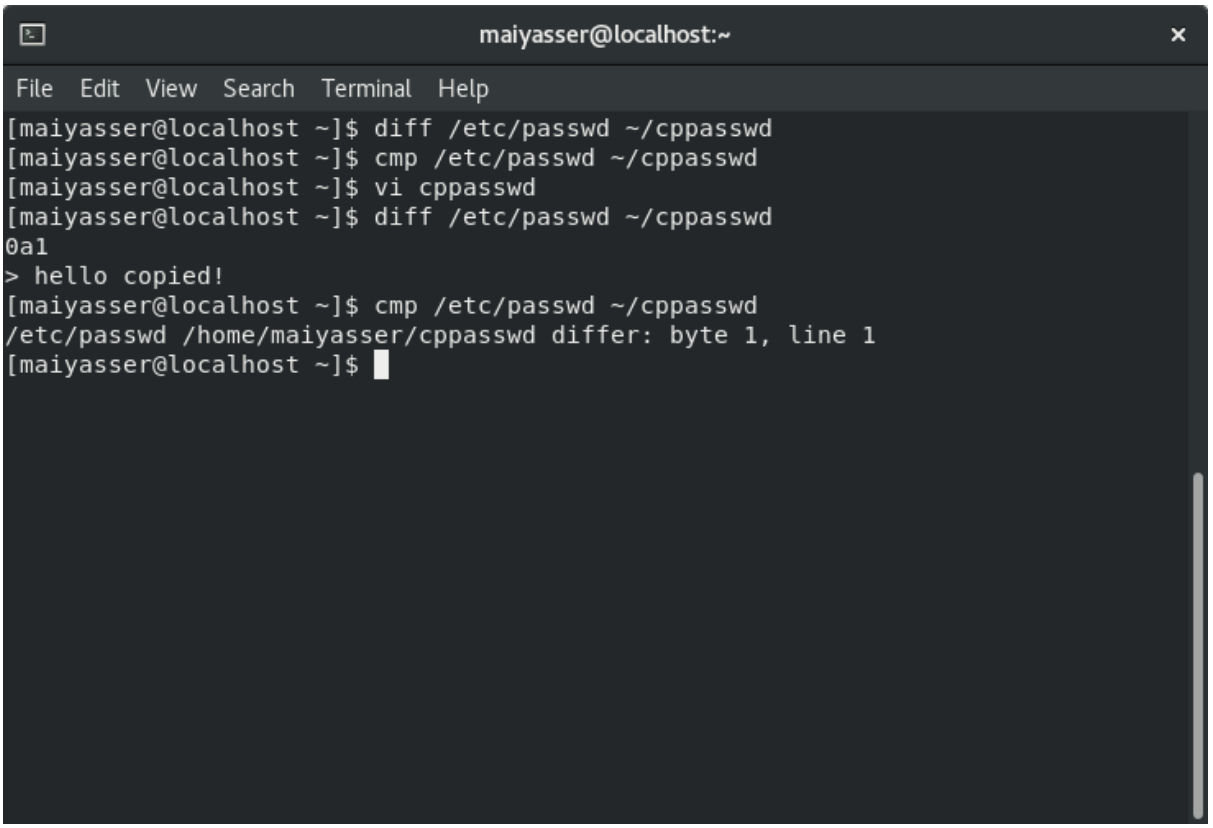
7. Write a command to search for all files on the system that, its name is “.profile”.



8. Identify the file types of the following: /etc/passwd, /dev/pts/0, /etc, /dev/sda/etc



9. List the inode numbers of /, /etc, /etc/hosts.



10. 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.