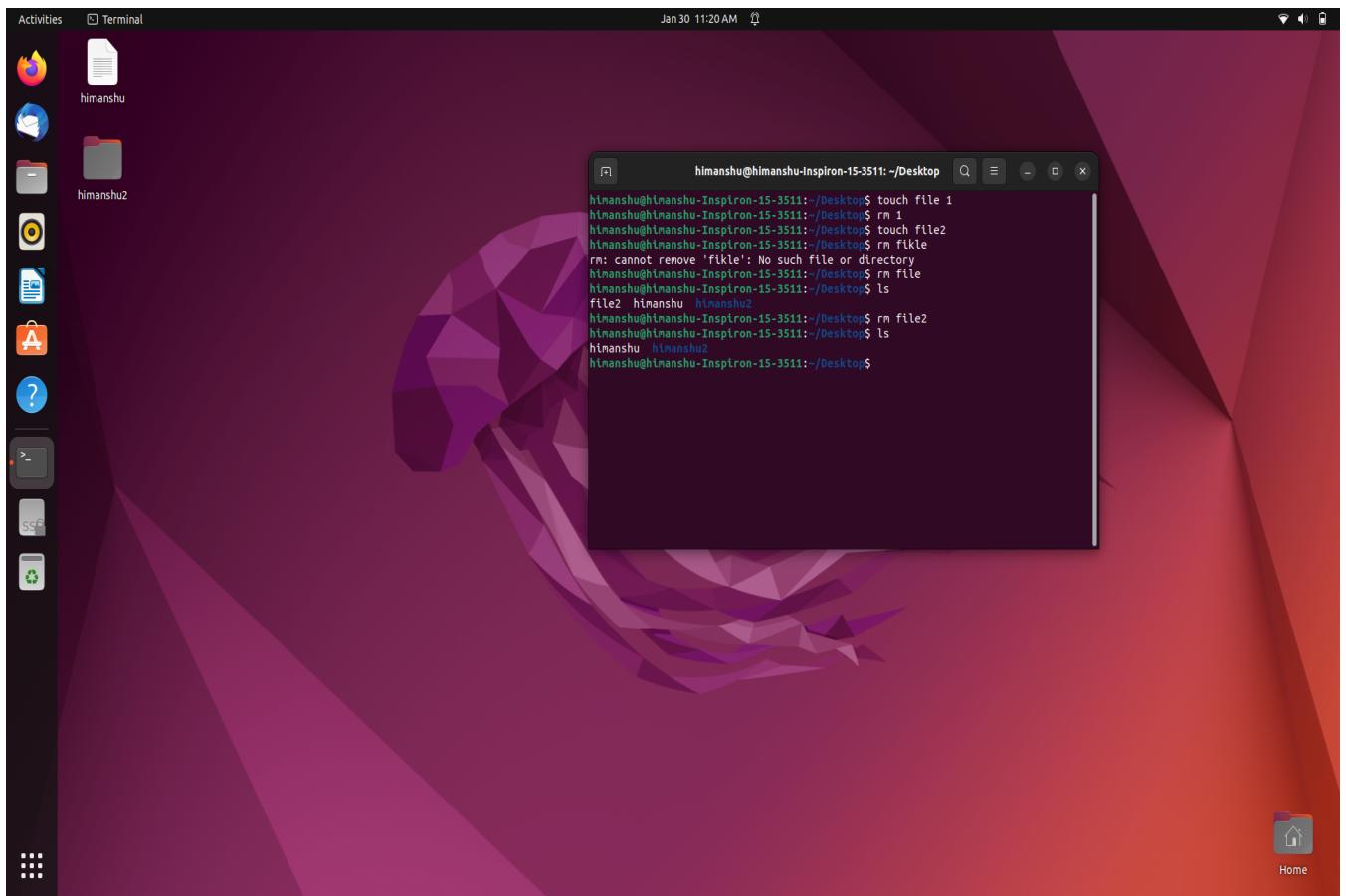


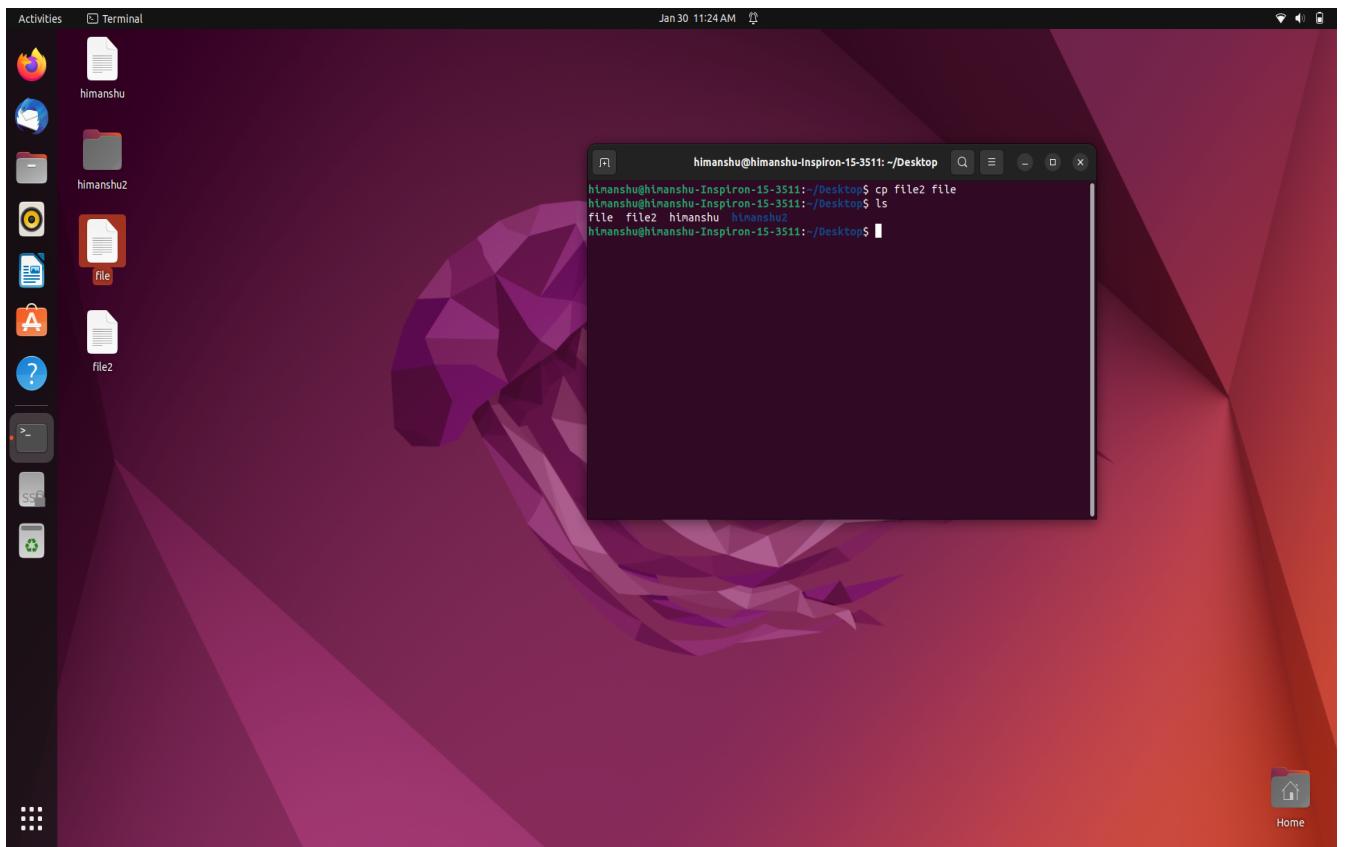
. RM (REMOVE)

This command is used to remove files and directions .



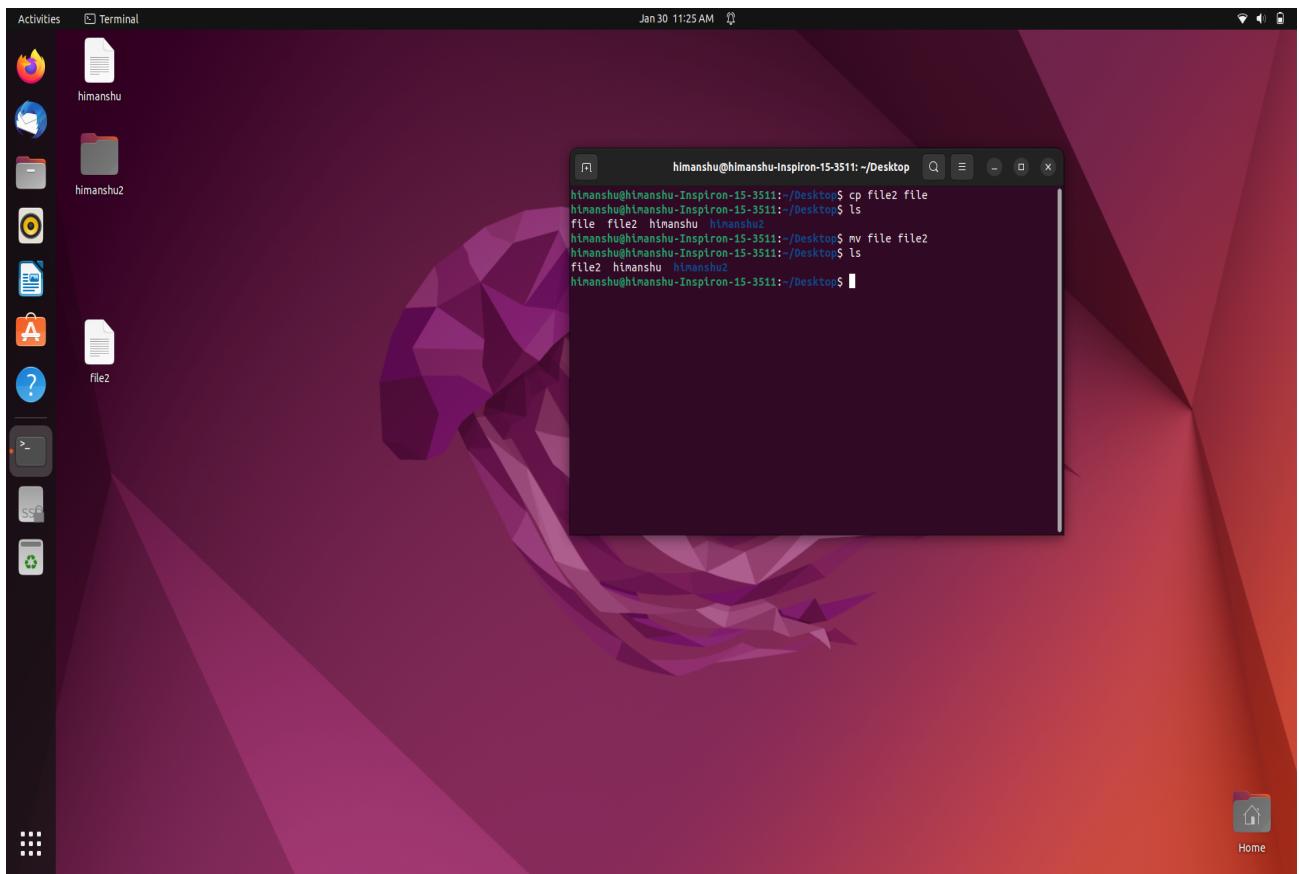
. CP (COPY)

Copy files and directories .



. MV (MOVE)

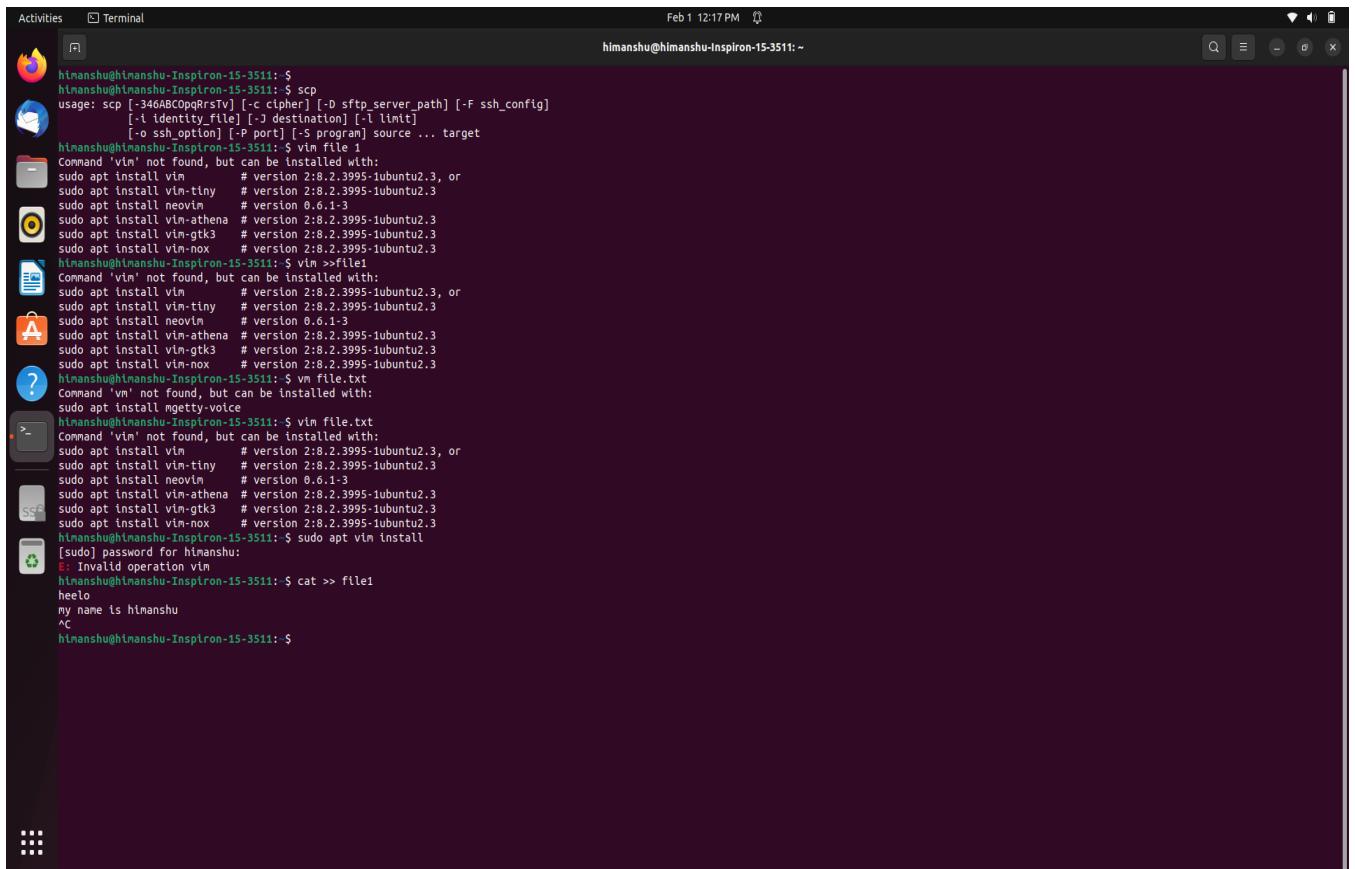
This command is used for moving and renaming files .



. SCP (SECURE COPY) COMMAND

SCP command copies files or directories between a local and a remote system or between two remote systems . you can use this command from a remote system (after logging in with the ssh command) or from the local system .

The scp command uses ssh for data transfer .

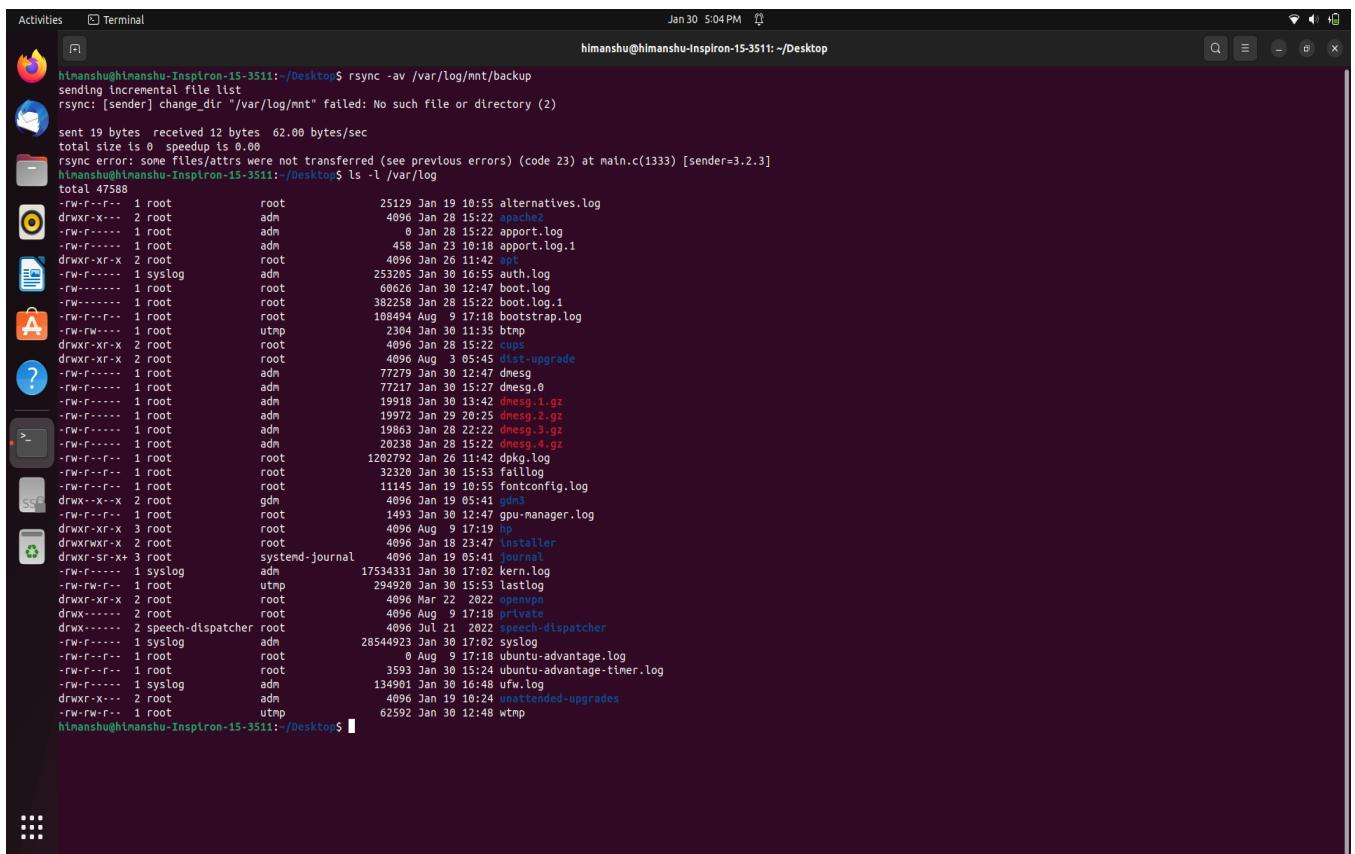


```
himanshu@himanshu-Inspiron-15-3511:~$ sudo apt install vim
[sudo] password for himanshu:
Reading package lists... Done
Building dependency tree... Done
The following additional packages will be installed:
  vim-common
Suggested packages:
  vim-doc
The following NEW packages will be installed:
  vim
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 0 B/2,395 kB of archives.
After this operation, 0 B of additional disk space will be used.
Do you want to continue? [Y/n] Y
Selecting previously unselected package vim.
(Reading database ... 100%)
Preparing to unpack .../vim_2:8.2.3995-1ubuntu2.3_all.deb ...
Unpacking vim (2:8.2.3995-1ubuntu2.3) ...
Setting up vim (2:8.2.3995-1ubuntu2.3) ...
himanshu@himanshu-Inspiron-15-3511:~$ vim file1
Command 'vim' not found, but can be installed with:
  sudo apt install vim      # version 2:8.2.3995-1ubuntu2.3, or
  sudo apt install vim-tiny # version 2:8.2.3995-1ubuntu2.3
  sudo apt install neovim   # version 0.6.1-3
  sudo apt install vim-athena # version 2:8.2.3995-1ubuntu2.3
  sudo apt install vim-gtk3 # version 2:8.2.3995-1ubuntu2.3
  sudo apt install vim-nox  # version 2:8.2.3995-1ubuntu2.3
himanshu@himanshu-Inspiron-15-3511:~$ vim >>file1
Command 'vim' not found, but can be installed with:
  sudo apt install vim      # version 2:8.2.3995-1ubuntu2.3, or
  sudo apt install vim-tiny # version 2:8.2.3995-1ubuntu2.3
  sudo apt install neovim   # version 0.6.1-3
  sudo apt install vim-athena # version 2:8.2.3995-1ubuntu2.3
  sudo apt install vim-gtk3 # version 2:8.2.3995-1ubuntu2.3
  sudo apt install vim-nox  # version 2:8.2.3995-1ubuntu2.3
himanshu@himanshu-Inspiron-15-3511:~$ vim file.txt
Command 'vm' not found, but can be installed with:
  sudo apt install getty-voice
himanshu@himanshu-Inspiron-15-3511:~$ vim file.txt
Command 'vin' not found, but can be installed with:
  sudo apt install vim      # version 2:8.2.3995-1ubuntu2.3, or
  sudo apt install vim-tiny # version 2:8.2.3995-1ubuntu2.3
  sudo apt install neovim   # version 0.6.1-3
  sudo apt install vim-athena # version 2:8.2.3995-1ubuntu2.3
  sudo apt install vim-gtk3 # version 2:8.2.3995-1ubuntu2.3
  sudo apt install vim-nox  # version 2:8.2.3995-1ubuntu2.3
himanshu@himanshu-Inspiron-15-3511:~$ sudo apt vim install
[sudo] password for himanshu:
E: Invalid operation VM
himanshu@himanshu-Inspiron-15-3511:~$ cat >> file1
heelo
my name is himanshu
^C
himanshu@himanshu-Inspiron-15-3511:~$
```

**. RSYNC (REMOTE
SYNCHRONISATION)**

Rsync , which stands for remote sync, is a remote and local file synchronisation tool .

Rsync is a command - line tool for copying files and directories between local and remote systems that should be in every linux sysadmins toolbox .

A screenshot of a Linux desktop environment, likely Ubuntu, showing a terminal window. The terminal window has a dark background and contains the following text:

```
Activities Terminal Jan 30 5:04 PM himanshu@himanshu-Inspiron-15-3511: ~/Desktop
himanshu@himanshu-Inspiron-15-3511: ~/Desktop$ rsync -av /var/log/mnt/backup
sending incremental file list
rsync: [sender] change_dir '/var/log/mnt' failed: No such file or directory (2)
sent 19 bytes received 12 bytes 62.00 bytes/sec
total size ls 0 speedup ls 0.00
rsync error: some files/attrs were not transferred (see previous errors) (code 23) at main.c(1333) [sender=3.2.3]
himanshu@himanshu-Inspiron-15-3511: ~/Desktop$ ls -l /var/log
total 47588
-rw-r--r-- 1 root      root      25129 Jan 19 10:55 alternatives.log
drwxr-x--- 2 root      adm       4096 Jan 28 15:22 apache2
-rw-r----- 1 root      adm       8 Jan 28 15:22 apport.log
-rw-r----- 1 root      adm      458 Jan 23 10:18 apport.log.1
drwxr-xr-x  2 root      root      4096 Jan 26 11:42 apt
-rw-r----- 1 syslog    adm      253265 Jan 30 16:55 auth.log
-rw-r----- 1 root      root      60626 Jan 30 12:47 boot.log
-rw-r----- 1 root      root      382258 Jan 28 15:22 boot.log.1
drwxr----r- 1 root      root      189494 Aug  9 17:18 bootstrap.log
-rw-r----- 1 root      root      2364 Jan 30 11:35 btmp
drwxr-xr-x  2 root      root      4096 Jan 28 15:22 cups
drwxr-xr-x  2 root      root      4096 Aug  3 05:45 dist-upgrade
-rw-r----- 1 root      adm      77279 Jan 30 12:47 dnmesg
-rw-r----- 1 root      adm      77217 Jan 30 15:57 dnmesg.0
drwxr-xr-x  2 root      root      19918 Jan 30 13:42 dnmesg.1.gz
drwxr-xr-x  2 root      root      19972 Jan 29 26:25 dnmesg.2.gz
drwxr-xr-x  2 root      root      19863 Jan 28 22:22 dnmesg.3.gz
drwxr-xr-x  2 root      root      20238 Jan 28 15:22 dnmesg.4.gz
drwxr-xr-x  1 root      root      1292792 Jan 26 11:42 dpkg.log
-rw-r----- 1 root      root      32326 Jan 30 15:53 faillog
-rw-r----- 1 root      root      11145 Jan 19 10:55 fontconfig.log
drwxr-x--- 2 root      gdm      4096 Jan 19 05:41 gdm3
-rw-r----- 1 root      root      1493 Jan 30 12:47 gpu-manager.log
drwxr-xr-x  3 root      root      4096 Aug  9 17:19 hp
drwxrwxr-x  2 root      root      4096 Jan 18 23:47 installer
drwxr-sr-x+ 3 root     systemd-journal 4096 Jan 19 05:41 journal
-rw-r----- 1 syslog    adm      17534331 Jan 30 17:02 kern.log
-rw-r----- 1 root      utmp      294928 Jan 30 15:53 lastlog
drwxr-xr-x  2 root      root      4096 Mar 22 2022 openvpn
drwxr-x--- 2 root      root      4096 Aug  9 17:18 private
drwxr----- 2 speech-dispatcher root      4096 Jul 21 2022 speech-dispatcher
-rw-r----- 1 syslog    adm      28544923 Jan 30 17:02 syslog
-rw-r----- 1 root      root      8 Aug   9 17:18 ubuntu-advantage.log
-rw-r----- 1 root      root      3593 Jan 30 15:24 ubuntu-advantage-timer.log
-rw-r----- 1 syslog    adm      134901 Jan 30 16:48 ufw.log
drwxr-x--- 2 root      adm      4096 Jan 19 10:24 unattended-upgrades
drwxr-xr-x  1 root      utmp      62592 Jan 30 12:48 wtmp
```