## EXP NO:2 Recover deleted or damaged files from a storage device using Test Disk

## AIM:

To recover deleted or damaged partitions and files from a storage device using **TestDisk**.

## **Procedure:**

TestDisk is an open-source data recovery tool used to detect and repair lost or corrupted partitions. It analyzes disk structures, recovers deleted files, and restores damaged boot sectors. The tool helps rebuild partition tables and make lost data accessible again.

```
File Actions Edit View Help

(kali@kali)-[~]

$ sudo apt update
$ sudo apt install testdisk

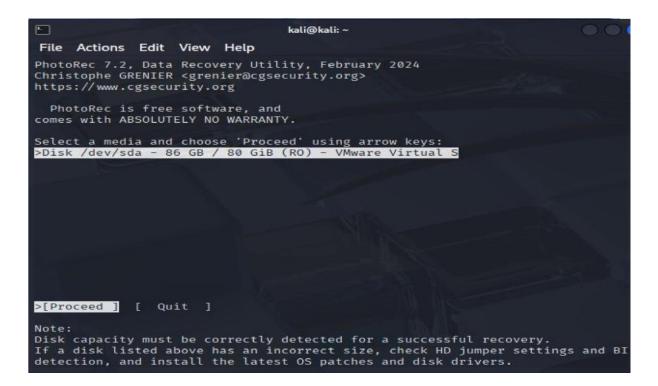
[sudo] password for kali:
Hit:1 http://http.kali.org/kali kali-rolling InRelease

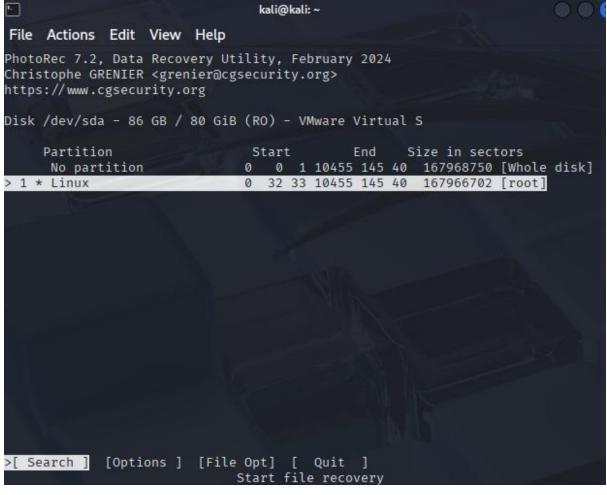
867 packages can be upgraded. Run 'apt list --upgradable' to see them.
testdisk is already the newest version (7.2-0.1).

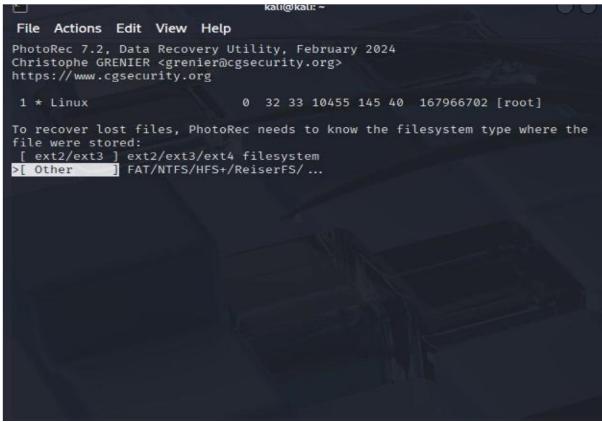
Summary:
Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 867

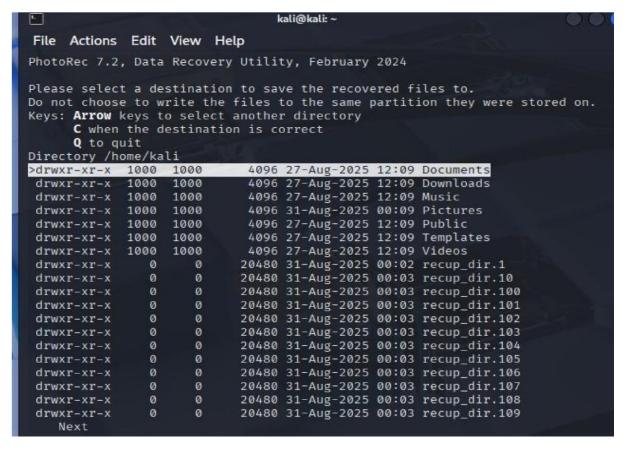
(kali@kali)-[~]

$ sudo photorec
```









## Result

```
kali@kali: ~
File Actions Edit View Help
PhotoRec 7.2, Data Recovery Utility, February 2024
Christophe GRENIER <grenier@cgsecurity.org>
https://www.cgsecurity.org
Disk /dev/sda - 86 GB / 80 GiB (RO) - VMware Virtual S
                                Start
                                        End Size in sectors
    Partition
1 * Linux
                              0 32 33 10455 145 40 167966702 [root]
Destination /home/kali/recup_dir
                          1855504/167966702, 450 files found
Pass 1 - Reading sector
Elapsed time 0h00m30s - Estimated time to completion 0h44m45
txt: 221 recovered
png: 110 recovered
tx?: 61 recovered
pdf: 25 recovered
exe: 15 recovered
zip: 5 recovered
gz: 3 recovered
elf: 2 recovered
gif: 2 recovered
others: 6 recovered
  Stop
```

