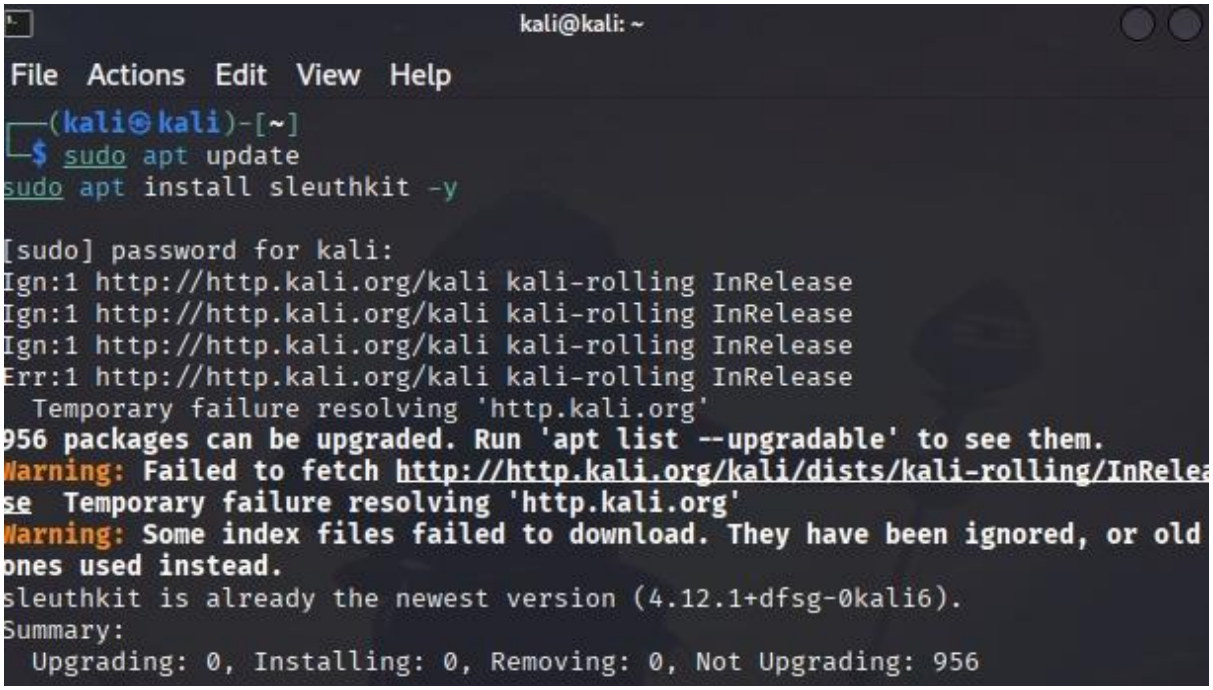
**Experiment No. 6 — Use Sleuth Kit to Analyze Digital Evidence**

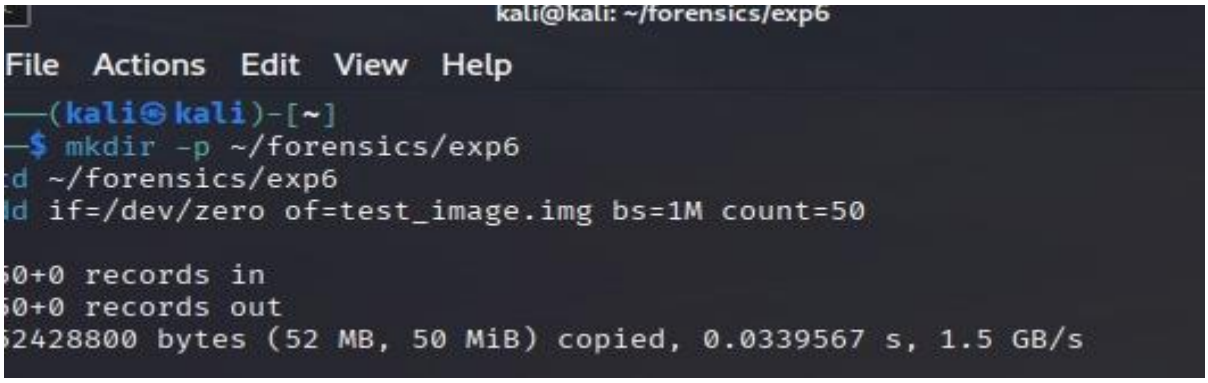
**Aim**

To use **The Sleuth Kit (TSK)** command-line tools to analyze a disk image and recover digital evidence.

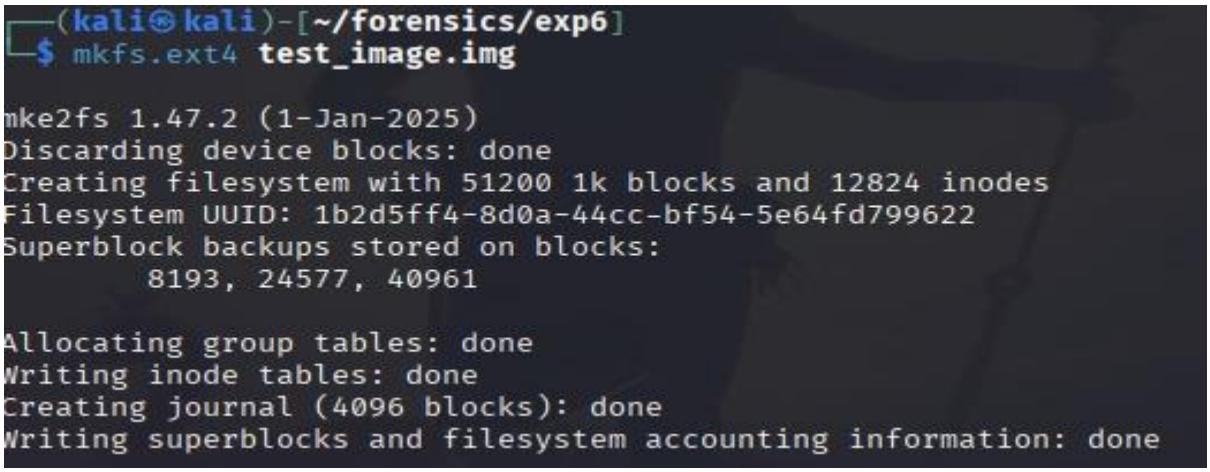
**Step 1** — install sleuth kit in linux terminal



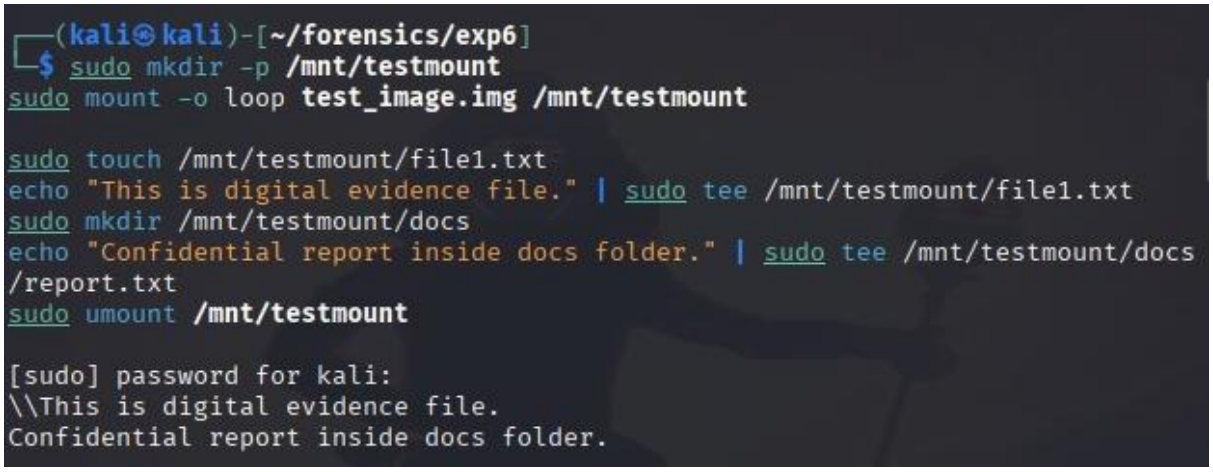

**Step 2** — Create a Dummy Disk Image:



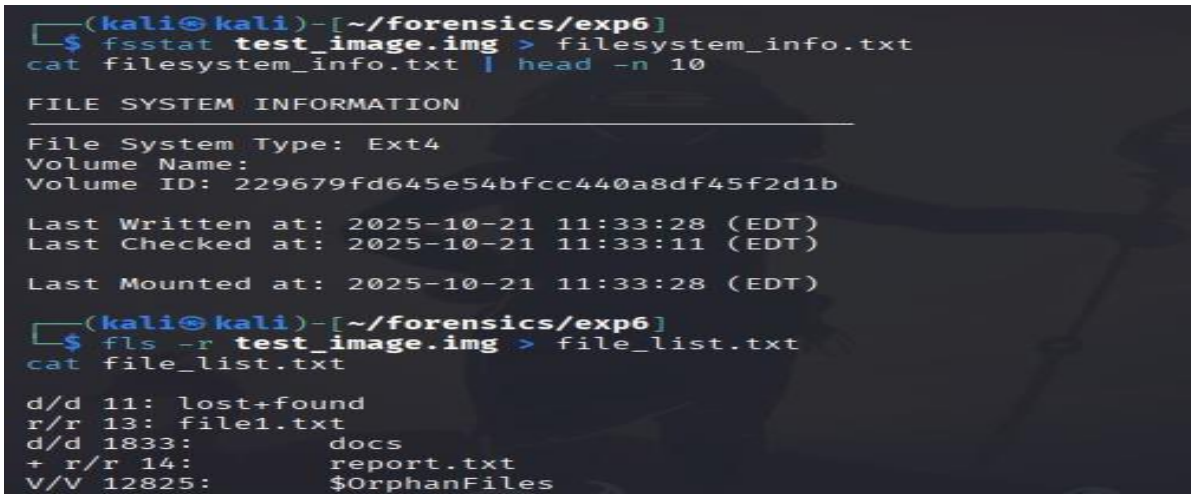
**Step 3** — Format the Image with a Filesystem



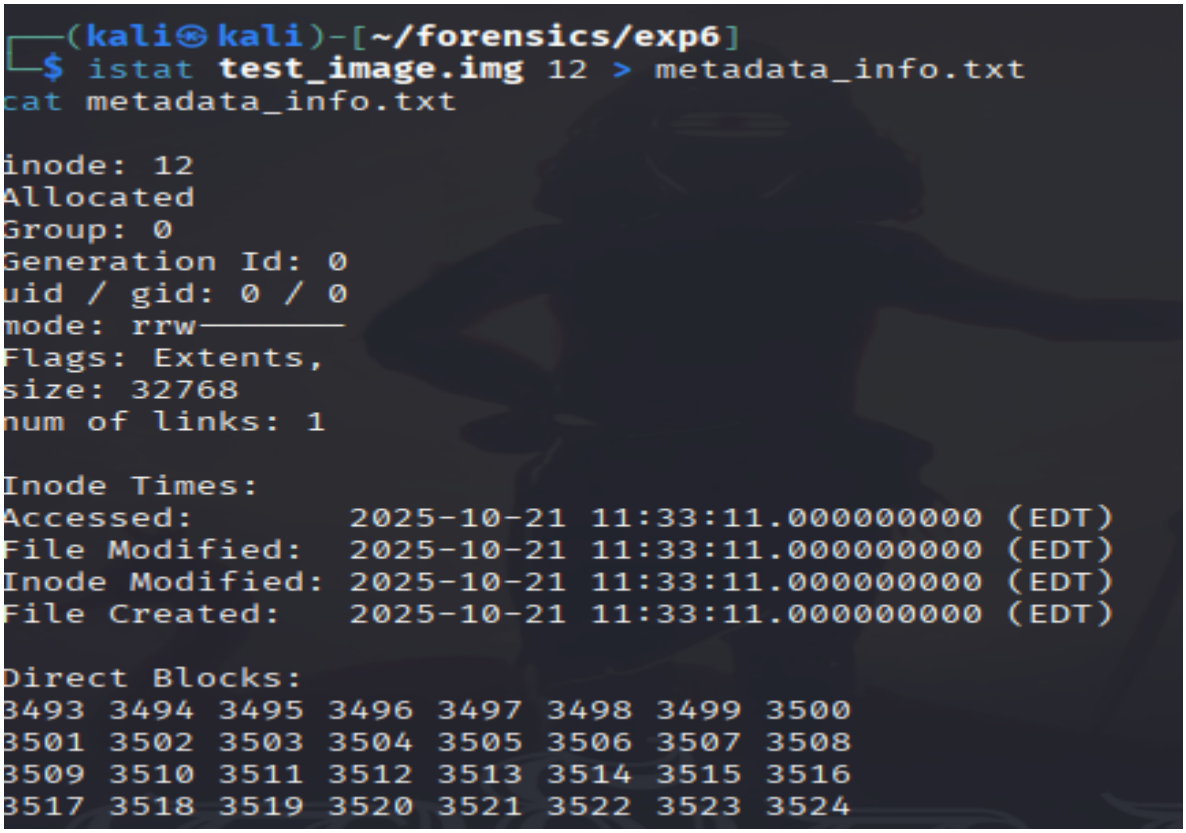

**Step 4** — Mount and Add Sample Files



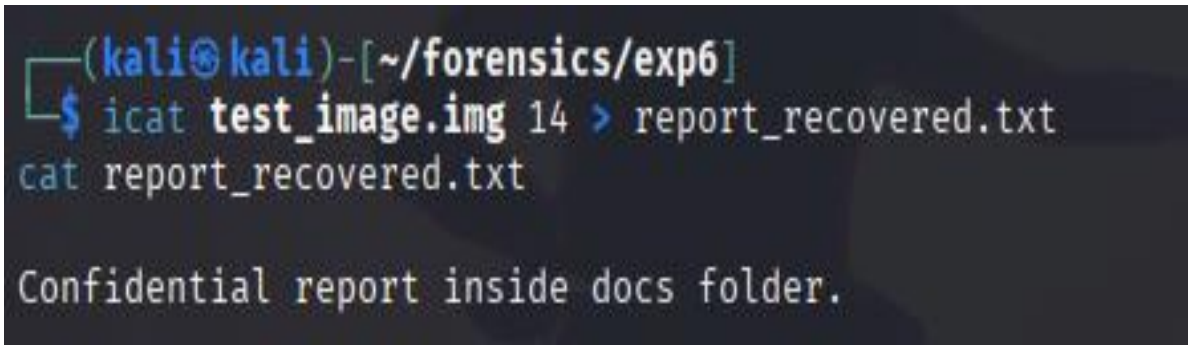
**Step 5** — Identify File System Information & List Files and Directories



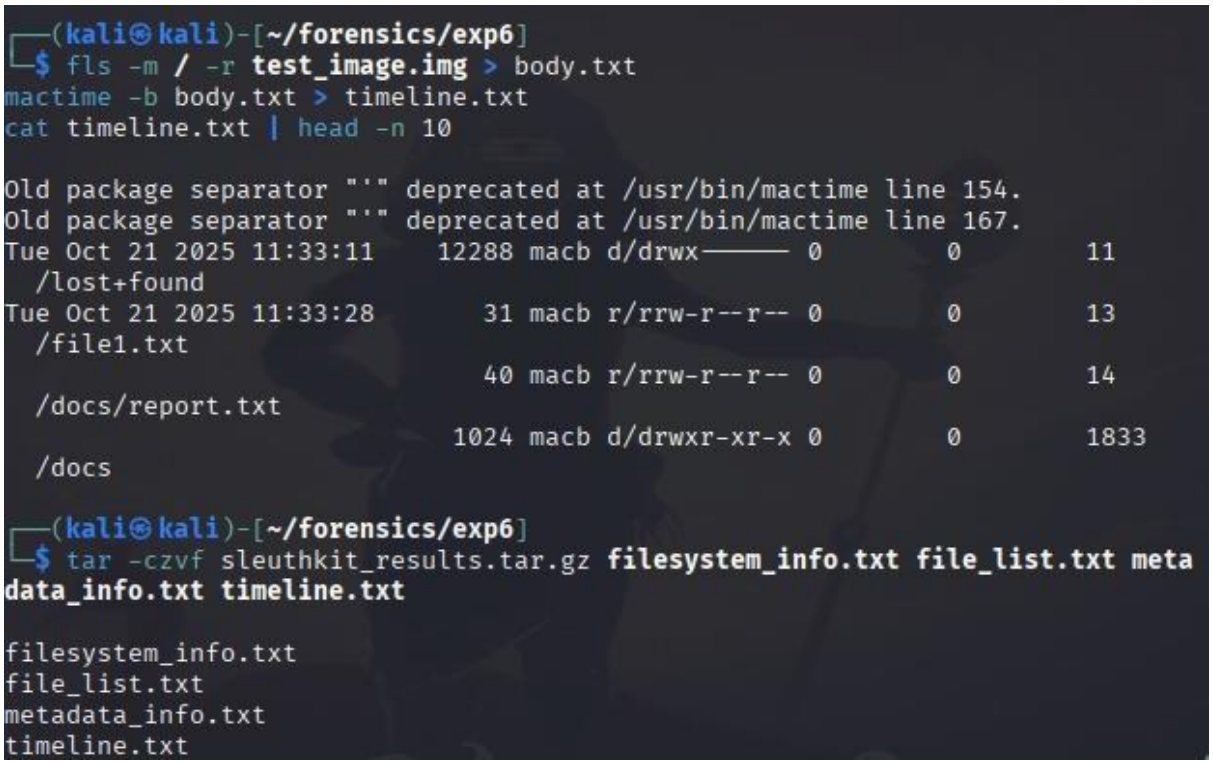

**Step 6** — View Metadata of a File



**Step 7** — Recover a File from the Image




**Step 8** — Create a Timeline & Report Generation




**Result**

Successfully analyzed a disk image using **The Sleuth Kit** tools and extracted file metadata, recovered deleted files, and created a forensic timeline.