LAB-05 Reviewing-Unallocated-Space-Extracting-Data-with-Tools-Digital-Investigation-Processes

AIM:

To review unallocated space in a disk image, extract data using forensic tools, and understand the digital investigation process.

DESIGN STEPS:

Step 1:

Use tools like Autopsy or Sleuth Kit (blkls, icat) to identify and analyze unallocated space.

Step 2:

Extract data from unallocated space and examine for hidden or deleted content.

Step 3:

Document and interpret findings as part of the digital investigation process.

PROGRAM:

Data Extraction and Investigation Tool Usage

Command 1

```
lsblk
```

Command 2

```
sudo dd if=/dev/sda of=/home/kali/disk.img bs=512
```

Command 3

```
mmls ~/disk.img
```

Command 4

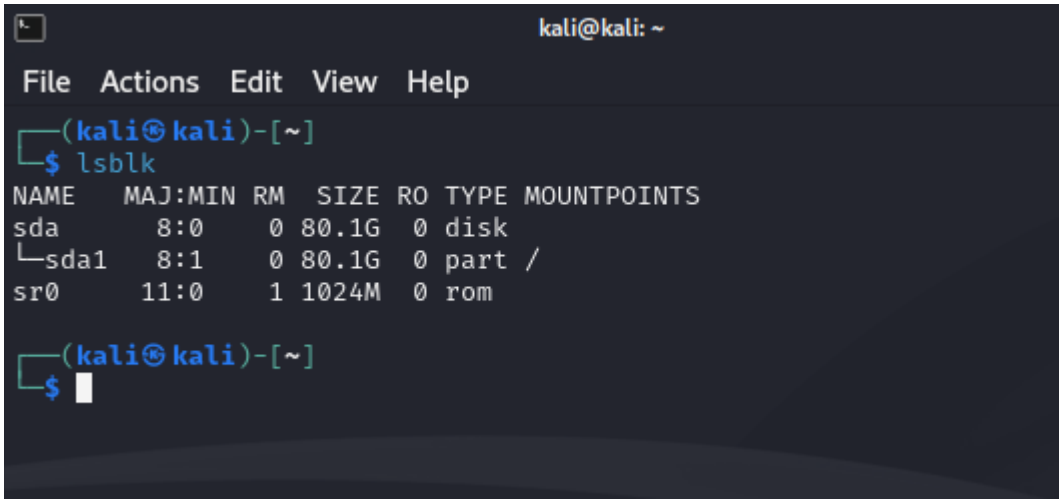
```
sudo ls -lh disk.img
```

Command 5

```
strings disk.img | less
```

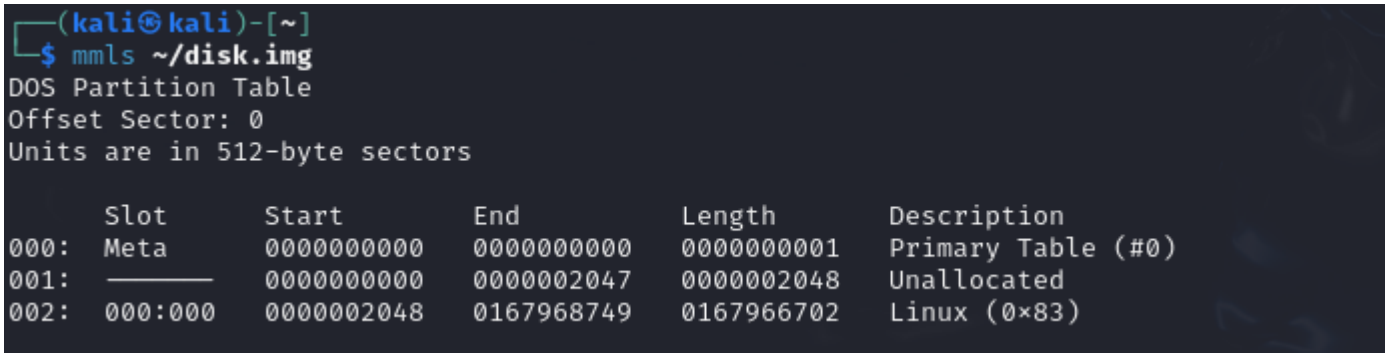
OUTPUT:

Command 1

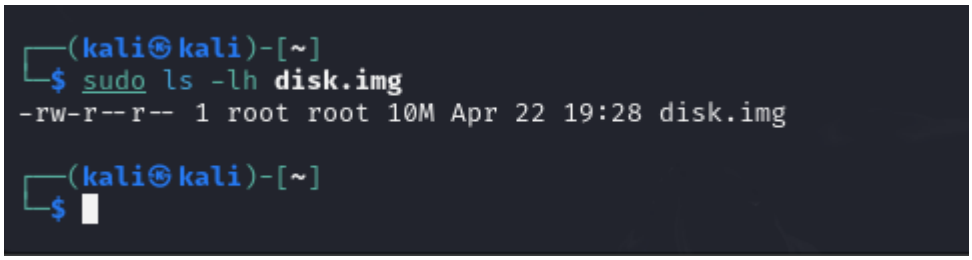


Command 2

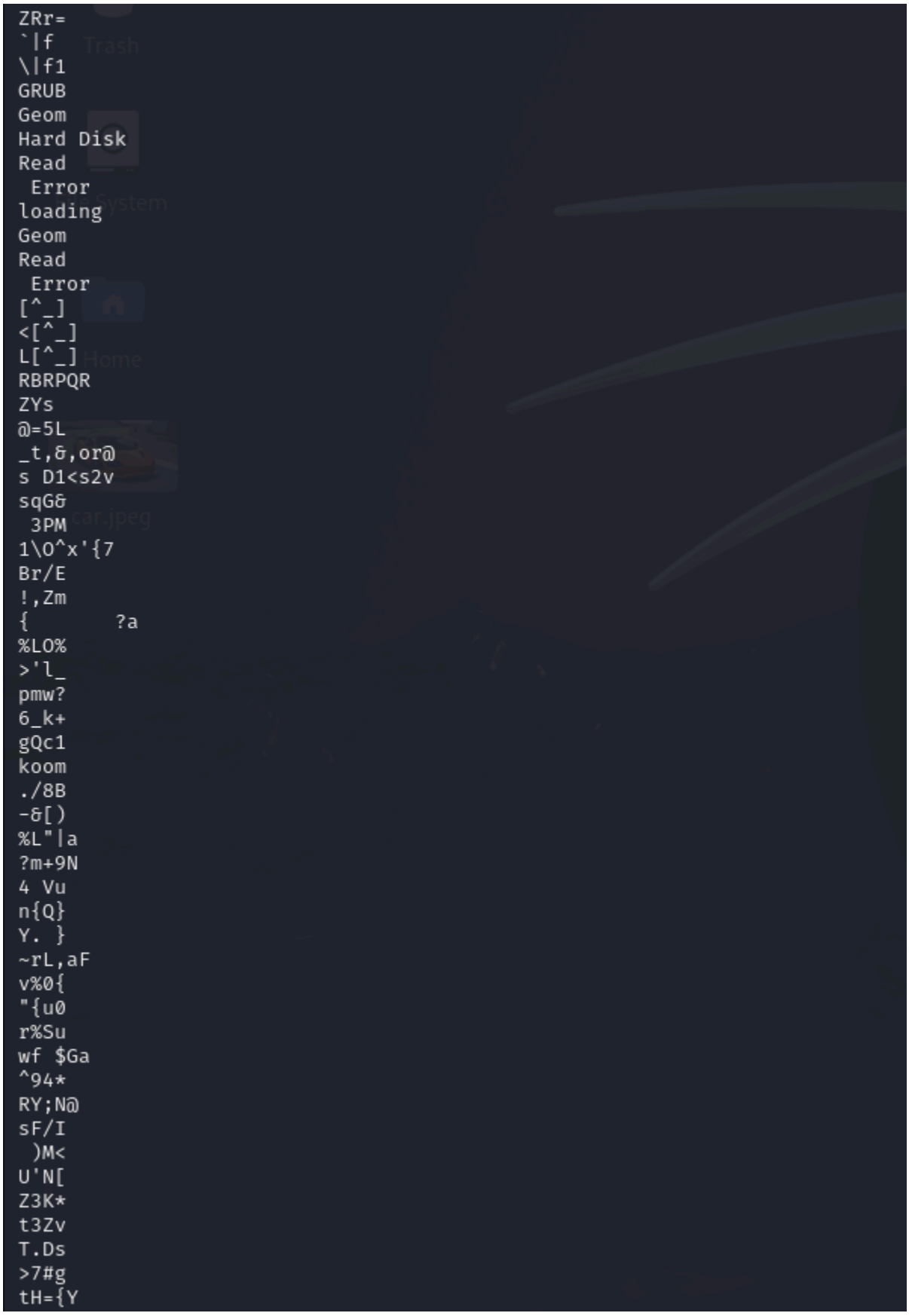
Command 3



Command 4



Command 5



RESULT:

The unallocated space was successfully analyzed, data was extracted, and the digital investigation process was followed effectively.