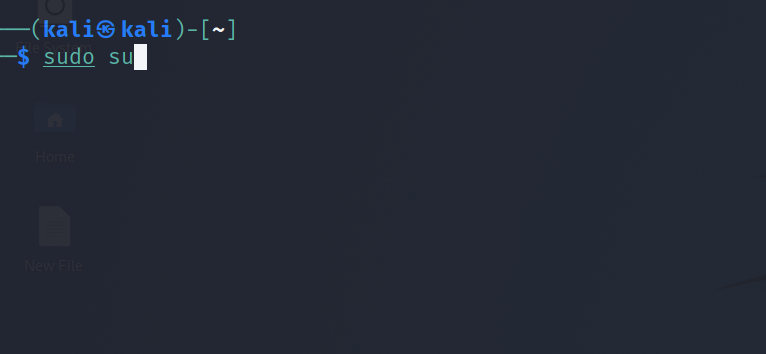
**Experiment 6**

**Study of operating system finger printing**

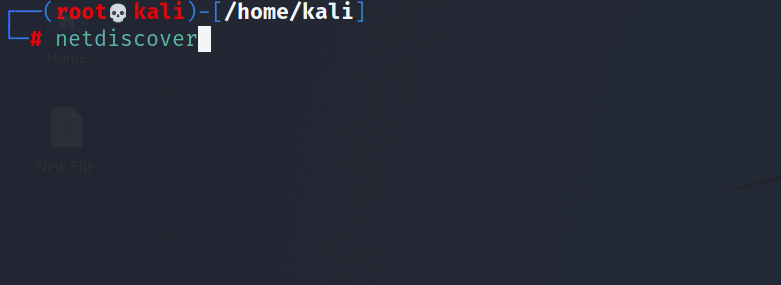
**Aim of the experiment:** How to gather information about an operating system.

**Step: 1**



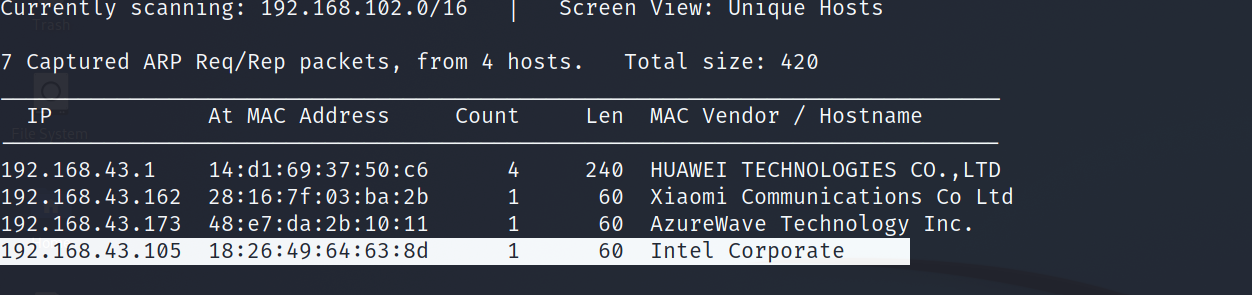
* In here we type sudo su to get super user permission “root” in kali linux

**Step: 2**



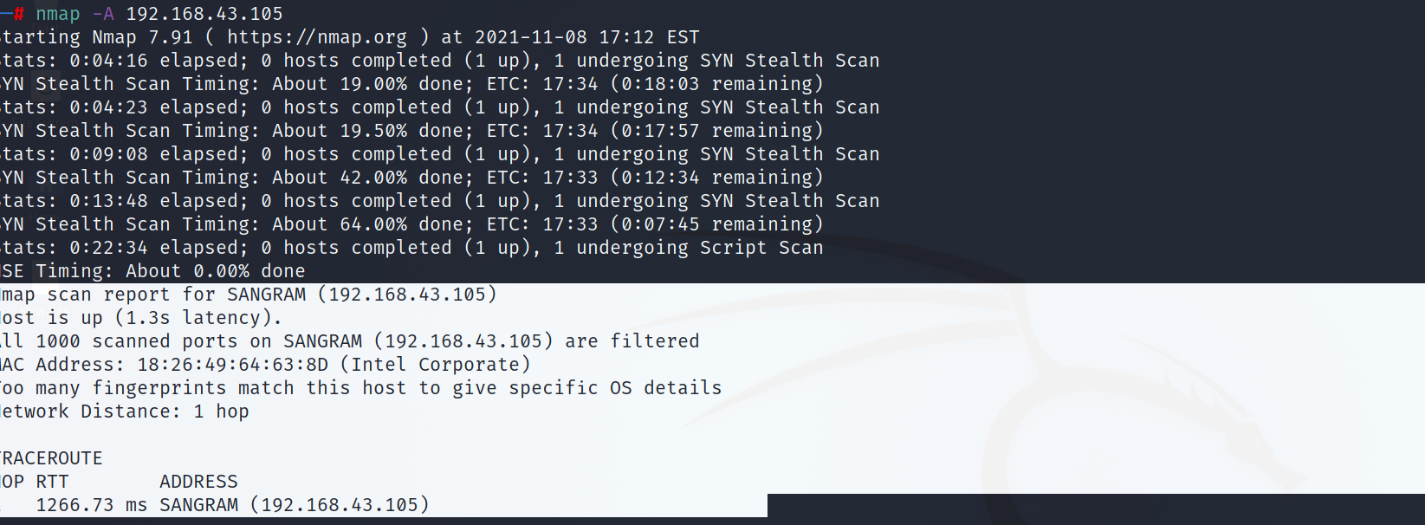
* After getting root level permission we typed “netdiscover” cmd to check how many device connected to our LAN network

**Step: 3**



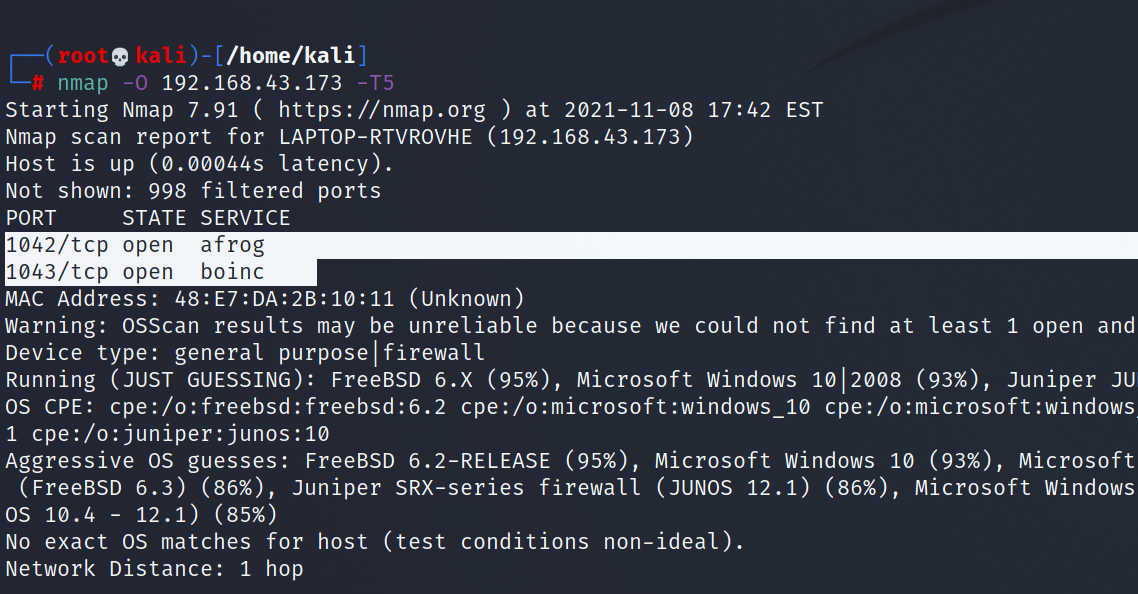
* In here we got our target ip address and its host name is intel corporate

**Step: 4**



* In here we type nmap -A <target ip> to get its details.
* -A used forosdetection,virsion,script scann,traceroute (MISC scan).

**Step: 5**



* In here we type nmap -O <target-ip> -T5.
* -O used for os scan it gives us os details of target os system.
* Now It give us two port number which are running in the os system and some os details i.e. 1042-tcp and 1043- tcp.

**Conclusion: –**

We successfully gathering the information.