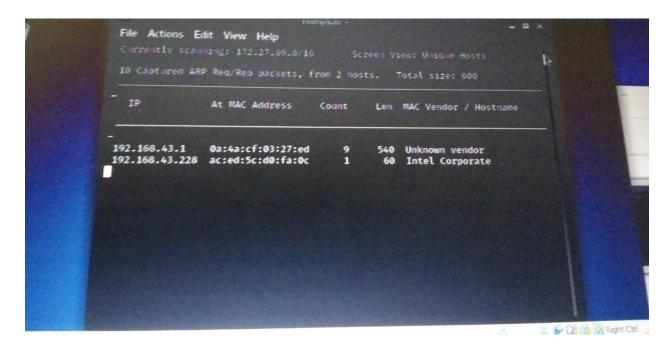
CYBER SECURITY

ROOT-KALI COMMANDS:

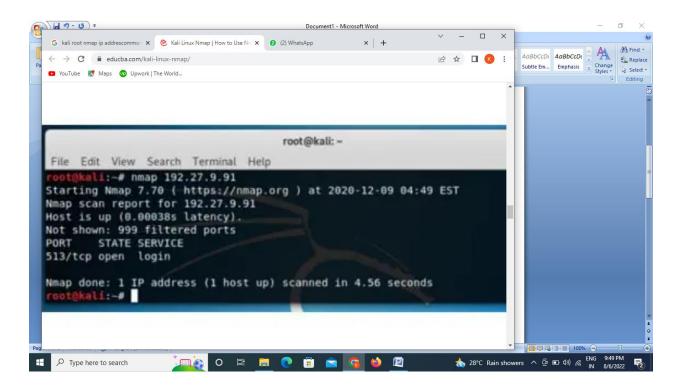
1. **NETDISCOVER:** Netdiscover is an active/passive address reconnaissance tool, mainly developed for those wireless networks without dhcp server, when you are wardriving. It can be also used on hub/switched networks.

SYNTAX: netdiscover

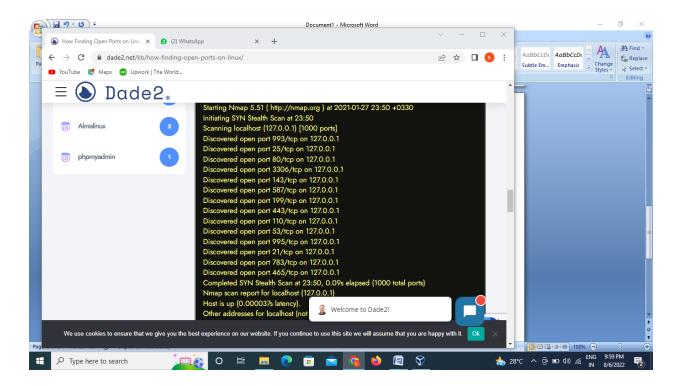


2. **NMAP IPADDRES:** Kali Linux Nmap is defined as a utility which is extensively used by penetration testers for network discovery and auditing the security of a system. In addition to the tasks mentioned earlier, users find the use of Nmap in various other tasks like network inventory, managing schedules for any service upgrades, host monitoring, service uptime tracking etc.

SYNTAX: nmap ipaddress

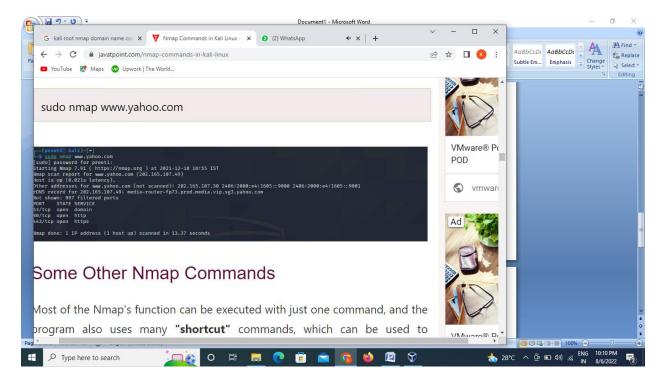


3. NMAP -P IP: Nmap builds on previous network auditing tools to provide quick, detailed scans of network traffic. It works by using IP packets to identify the hosts and IPs active on a network and then analyze these packets to provide information on each host and IP, as well as the operating systems they are running.

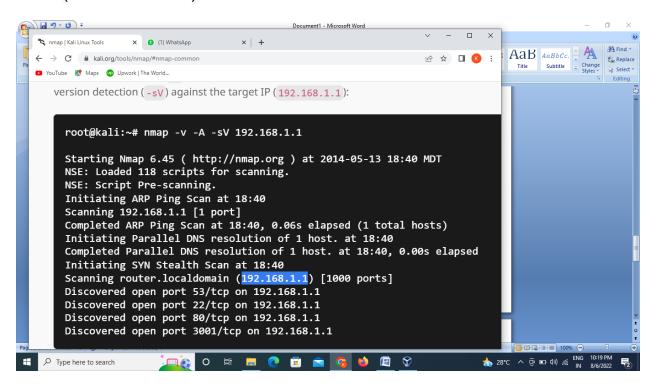


4. NMAP DOMAIN NAME: nmap for scanning a host

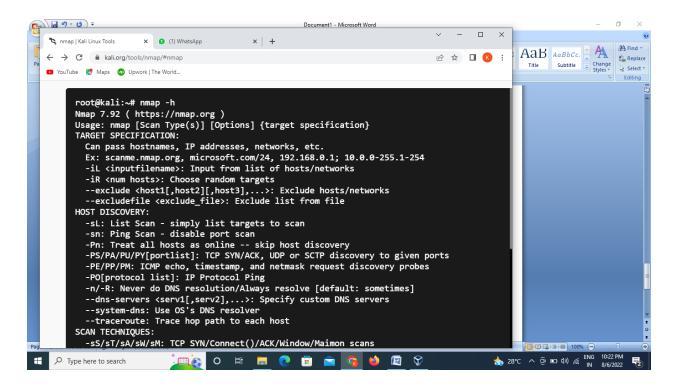
Syntax: sudo nmap www.yahoo.com



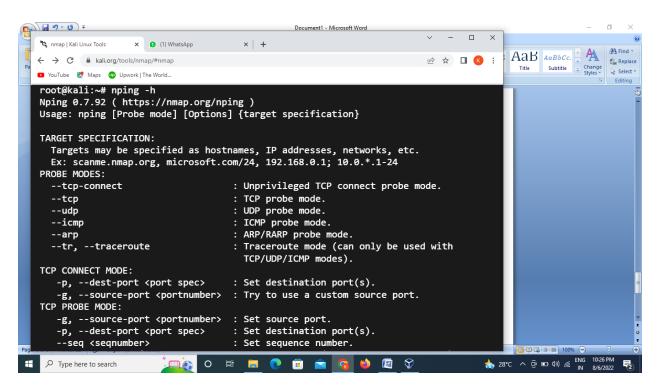
5. NMAP –V –A –sV ip: Scan in verbose mode (-v), enable
OS detection, version detection, script scanning, and traceroute (-A), with version detection (-sV) against the target IP (192.168.1.1)



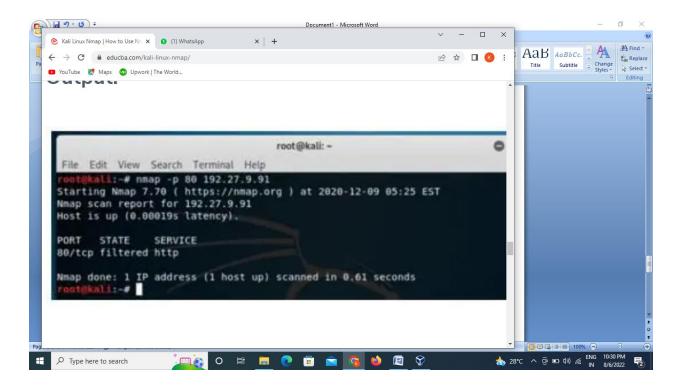
NMAP –H: Network exploration tool and security / port scanner.



7. **NPING**: Network packet generation tool / ping utility.

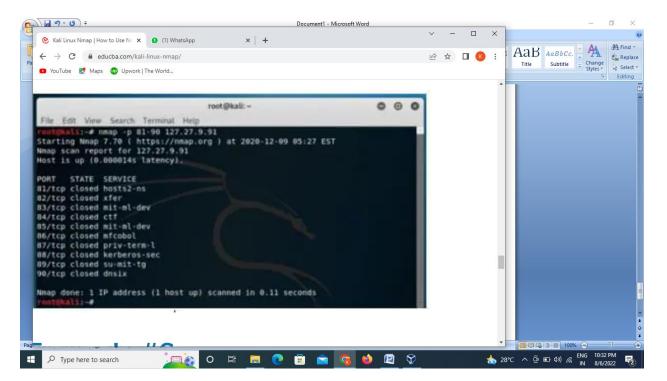


8. NMAP -P IPADDRES: nmap -p 80 192.27.9.91



9. NMAP –P IPADDRES ANDRANGE: The scanning range of ports.

Syntax: nmap -p 81-90 127.27.9.91



10. NMAP –F IP :Scanning 100 most common ports.

Syntax: nmap -f 192.27.9.91 . Using the details printed on the console, one can take a copy of the same into a text editor perform required analytics. Along with this, Kali Linux provides utility to get the entire result of the Nmap on a file and utilize it later for its numerous other uses. With just its one base command with multiple other options, Nmap helps users with loads of information to protect machines from unwanted attacks.

