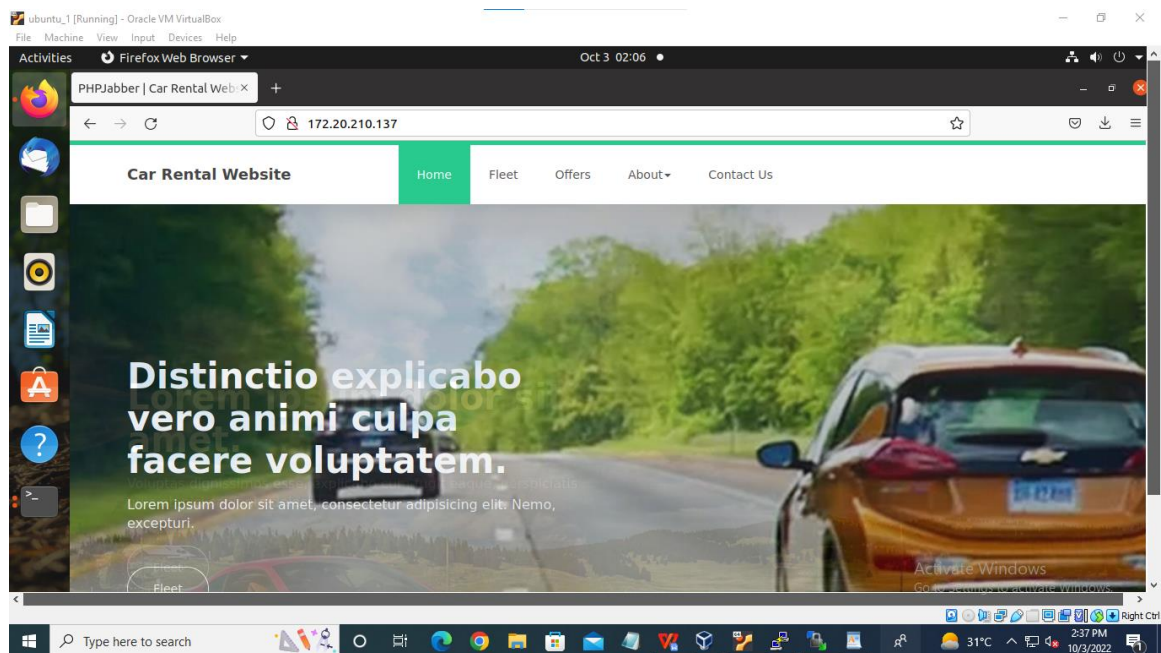
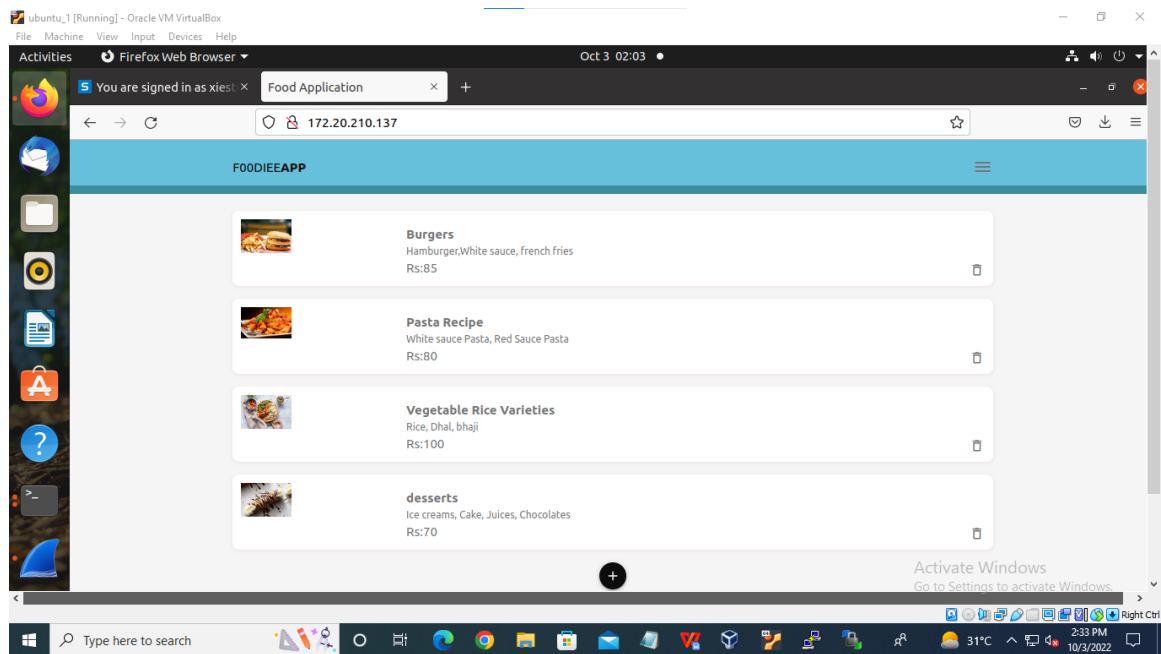


1)



2 B)

The image displays two screenshots of the Zenmap Nmap interface, showing the results of a scan on the target IP 172.20.210.130.

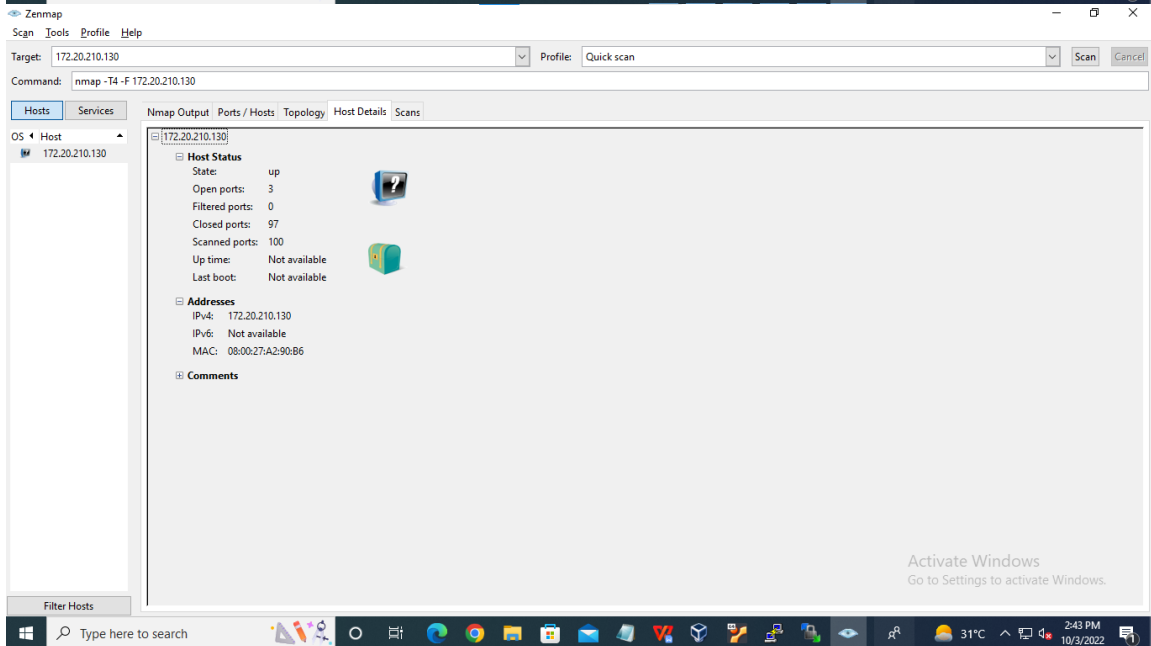
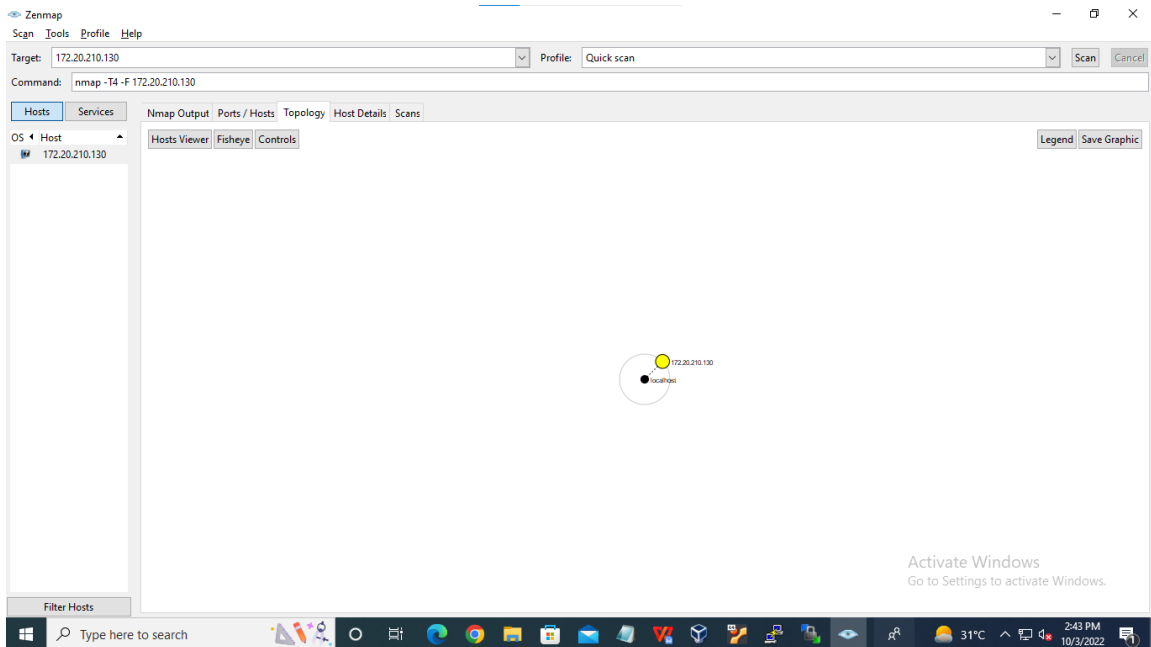
**Top Screenshot:** The interface shows the 'Hosts' tab selected. The scan output displays the following information:

- Starting Nmap 7.93 ( <https://nmap.org> ) at 2022-10-03 14:42 India Standard Time
- Nmap scan report for 172.20.210.130
- Host is up (0.0066s latency).
- Not shown: 97 closed tcp ports (reset)
- PORT STATE SERVICE
- 21/tcp open ftp
- 22/tcp open ssh
- 80/tcp open http
- MAC Address: 08:00:27:A2:90:B6 (Oracle VirtualBox virtual NIC)
- Nmap done: 1 IP address (1 host up) scanned in 0.36 seconds

**Bottom Screenshot:** The interface shows the 'Services' tab selected. The scan output displays the following information:

Port	Protocol	State	Service	Version
21	tcp	open	ftp	
22	tcp	open	ssh	
80	tcp	open	http	

Both screenshots show the Windows taskbar at the bottom, indicating the system time as 2:43 PM on 10/3/2022. An 'Activate Windows' watermark is visible in the top right corner of the Zenmap window in both images.



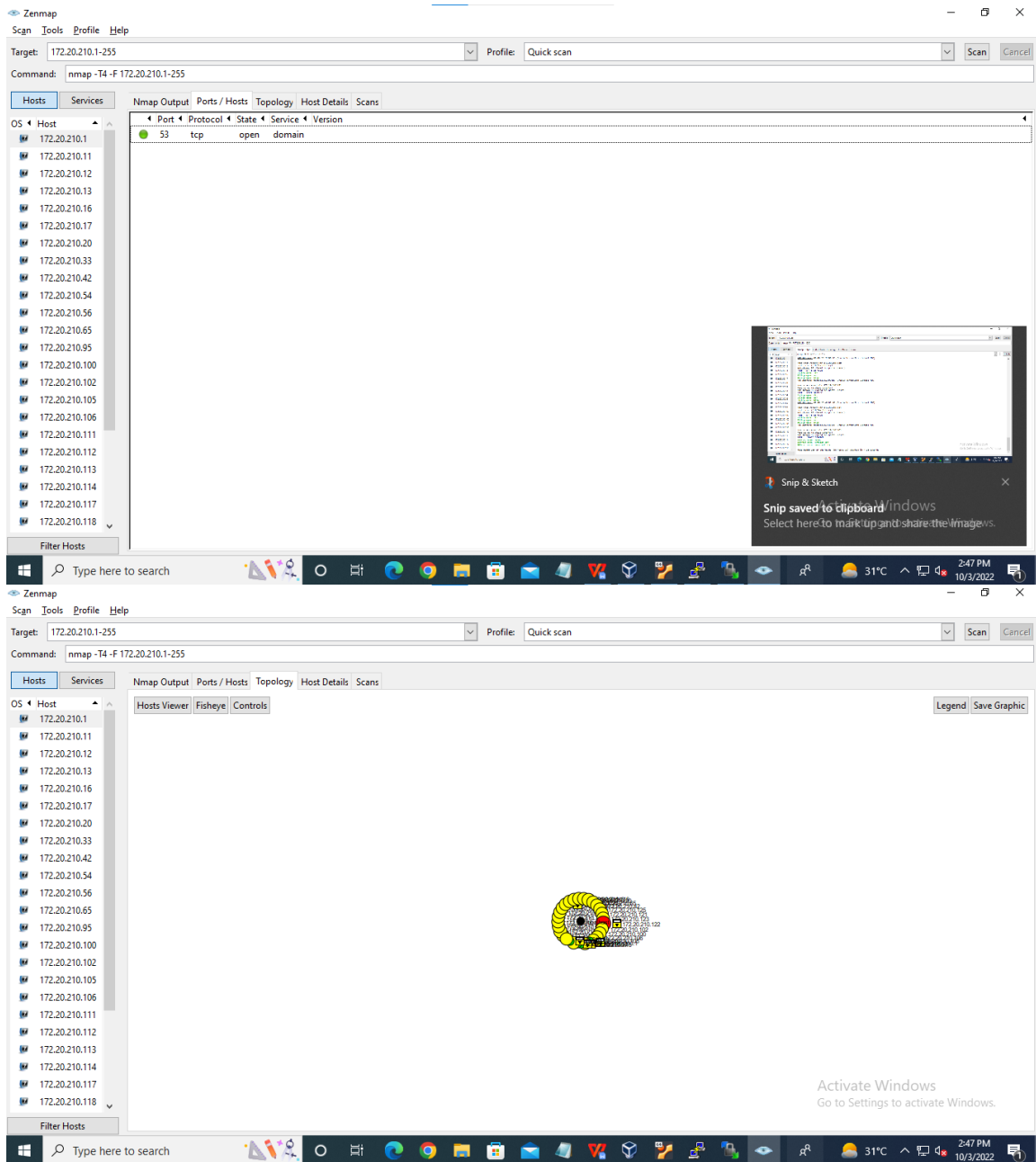
## WHOLE NETWORK :-

The image displays two screenshots of the Zenmap application, showing the results of an Nmap scan for the target network 172.20.210.1-255. The interface includes a menu bar (Scan, Tools, Profile, Help), a target input field, a command field, and a main display area with tabs for Hosts, Services, Nmap Output, Ports / Hosts, Topology, Host Details, and Scans.

**Top Screenshot:** Shows the initial scan results. The 'Hosts' tab is selected, displaying a list of hosts from 172.20.210.1 to 172.20.210.118. The 'Nmap Output' tab shows the scan details for 172.20.210.1, including the starting time (2022-10-03 14:45 India Standard Time), host status (up), and open ports (53/tcp domain, 135/tcp open msrpc, 139/tcp open netbios-ssn, 445/tcp open microsoft-ds). The MAC address is 7C:5A:1C:51:0F:88 (Sophos).

**Bottom Screenshot:** Shows the scan results for the entire network range. The 'Hosts' tab is selected, displaying a list of hosts from 172.20.210.1 to 172.20.210.118. The 'Nmap Output' tab shows the scan details for 172.20.210.130, including the starting time (2022-10-03 14:45 India Standard Time), host status (up), and open ports (21/tcp open ftp, 22/tcp open ssh, 80/tcp open http). The MAC address is 08:00:27:2E:08:93 (Oracle VirtualBox virtual NIC).

Both screenshots show a Windows taskbar at the bottom with the system clock indicating 2:46 PM on 10/3/2022. An 'Activate Windows' watermark is visible in the bottom right corner of both screenshots.



INTENSE SCAN FOR WHOLE NETWORK :-

Zenmap

Scan Tools Profile Help

Target: 172.20.210.1-255 Profile: Intense scan Scan Cancel

Command: nmap -T4 -A -v 172.20.210.1-255

Hosts Services Nmap Output Ports / Hosts Topology Host Details Scans

OS Host

172.20.210.1 Nmap scan report for 172.20.210.239 [host down]

172.20.210.11 Nmap scan report for 172.20.210.240 [host down]

172.20.210.12 Nmap scan report for 172.20.210.241 [host down]

172.20.210.13 Nmap scan report for 172.20.210.242 [host down]

172.20.210.16 Nmap scan report for 172.20.210.243 [host down]

172.20.210.17 Nmap scan report for 172.20.210.244 [host down]

172.20.210.20 Nmap scan report for 172.20.210.245 [host down]

172.20.210.33 Nmap scan report for 172.20.210.246 [host down]

172.20.210.42 Nmap scan report for 172.20.210.247 [host down]

172.20.210.54 Nmap scan report for 172.20.210.248 [host down]

172.20.210.56 Nmap scan report for 172.20.210.249 [host down]

172.20.210.65 Nmap scan report for 172.20.210.250 [host down]

172.20.210.95 Nmap scan report for 172.20.210.251 [host down]

172.20.210.100 Nmap scan report for 172.20.210.252 [host down]

172.20.210.102 Nmap scan report for 172.20.210.253 [host down]

172.20.210.105 Nmap scan report for 172.20.210.254 [host down]

172.20.210.106 Nmap scan report for 172.20.210.255 [host down]

172.20.210.111 Initiating Parallel DNS resolution of 1 host. at 14:49

172.20.210.112 Completed Parallel DNS resolution of 1 host. at 14:49, 0.00s elapsed

172.20.210.113 Initiating SYN Stealth Scan at 14:49

172.20.210.114 Scanning 29 hosts [1000 ports/host]

172.20.210.117 Discovered open port 80/tcp on 172.20.210.54

172.20.210.118 Discovered open port 80/tcp on 172.20.210.122

Discovered open port 80/tcp on 172.20.210.118

Discovered open port 80/tcp on 172.20.210.130

Discovered open port 80/tcp on 172.20.210.114

Discovered open port 22/tcp on 172.20.210.54

Discovered open port 80/tcp on 172.20.210.65

Discovered open port 80/tcp on 172.20.210.95

Discovered open port 22/tcp on 172.20.210.114

Discovered open port 22/tcp on 172.20.210.130

Discovered open port 80/tcp on 172.20.210.123

Discovered open port 80/tcp on 172.20.210.125

Discovered open port 22/tcp on 172.20.210.118

Discovered open port 3389/tcp on 172.20.210.20

Discovered open port 3389/tcp on 172.20.210.56

Discovered open port 22/tcp on 172.20.210.95

Discovered open port 22/tcp on 172.20.210.65

Discovered open port 22/tcp on 172.20.210.123

Filter Hosts

Activate Windows  
Go to Settings to activate Windows.

Zenmap

Scan Tools Profile Help

Target: 172.20.210.1-255 Profile: Intense scan Scan Cancel

Command: nmap -T4 -A -v 172.20.210.1-255

Hosts Services Nmap Output Ports / Hosts Topology Host Details Scans

OS Host

172.20.210.1

172.20.210.11

172.20.210.12

172.20.210.13

172.20.210.16

172.20.210.17

172.20.210.20

172.20.210.33

172.20.210.42

172.20.210.54

172.20.210.56

172.20.210.65

172.20.210.95

172.20.210.100

172.20.210.102

172.20.210.105

172.20.210.106

172.20.210.111

172.20.210.112

172.20.210.113

172.20.210.114

172.20.210.117

172.20.210.118

Filter Hosts

Port Protocol State Service Version

53 tcp open domain

Activate Windows  
Go to Settings to activate Windows.

