231901051 SIVARANGINI.Y

Ex No: 4B ANALYSE NETWORK TRAFFIC USING WIRESHARK TOOL DATE:8/8/24

AIM:

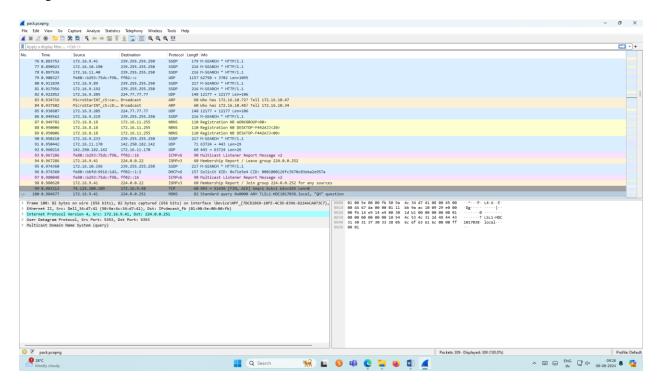
To capture, save, filter and analyze network traffic on TCP / UDP / IP / HTTP / ARP /DHCP /ICMP /DNS using Wireshark Tool

Exercises

1. Capture 100 packets from the Ethernet: IEEE 802.3 LAN Interface and save it.

Procedure

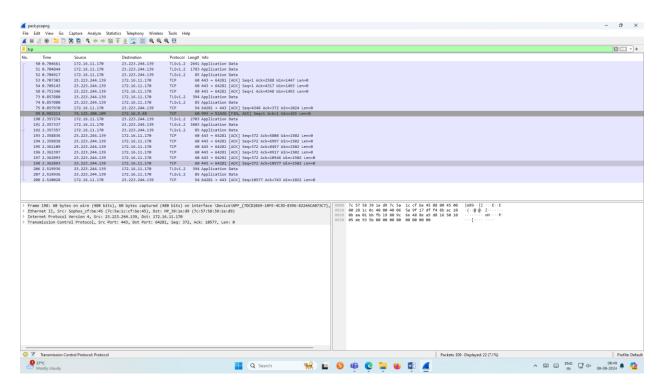
- > Select Local Area Connection in Wireshark.
- ➤ Go to capture □ option
- > Select stop capture automatically after 100 packets.
- > Then click Start capture.
- > Save the packets.

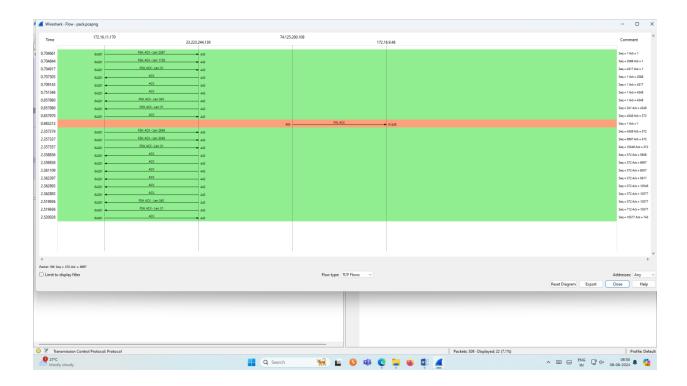


2.Create a Filter to display only TCP/UDP packets, inspect the packets and provide the flow graph.

Procedure

- > Select Local Area Connection in Wireshark.
- \triangleright Go to capture \square option
- > Select stop capture automatically after 100 packets.
- > Then click Start capture.
- > Search TCP packets in search bar.
- ➤ To see flow graph click Statistics ☐ Flow graph.
- > Save the packets.

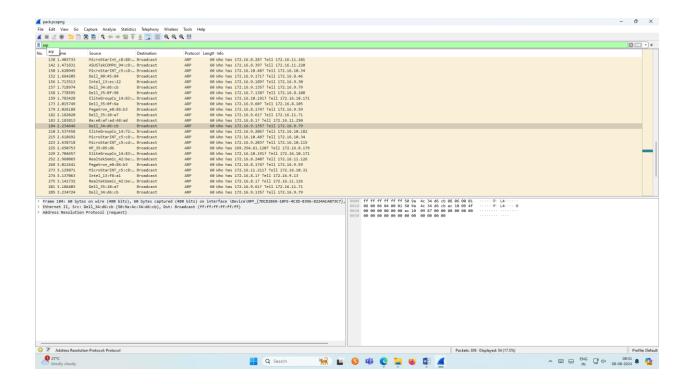




3. Create a Filter to display only ARP packets and inspect the packets.

Procedure

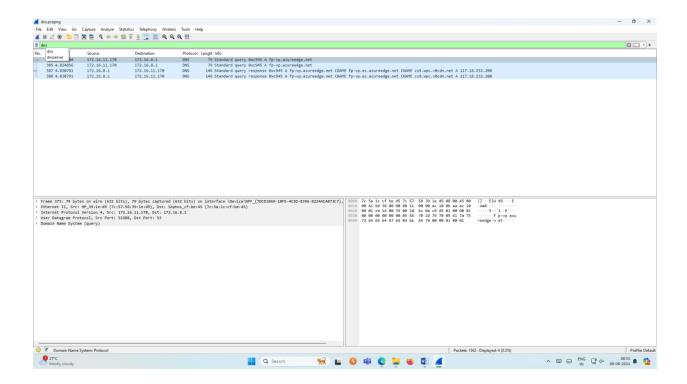
- > Select Local Area Connection in Wireshark.
- ➤ Go to capture □ option
- > Select stop capture automatically after 100 packets.
- > Then click Start capture.
- > Search ARP packets in search bar.
- > Save the packets.



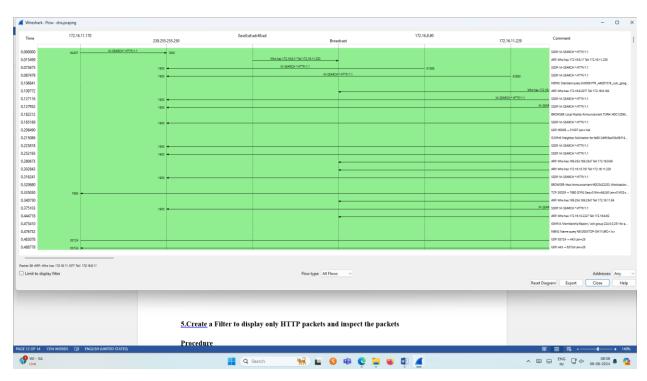
4. Create a Filter to display only DNS packets and provide the flow graph.

Procedure

- > Select Local Area Connection in Wireshark.
- ➤ Go to capture □ option
- > Select stop capture automatically after 100 packets.
- > Then click Start capture.
- > Search DNS packets in search bar.
- ➤ To see flow graph click Statistics ☐ Flow graph.
- > Save the packets.



Graph output

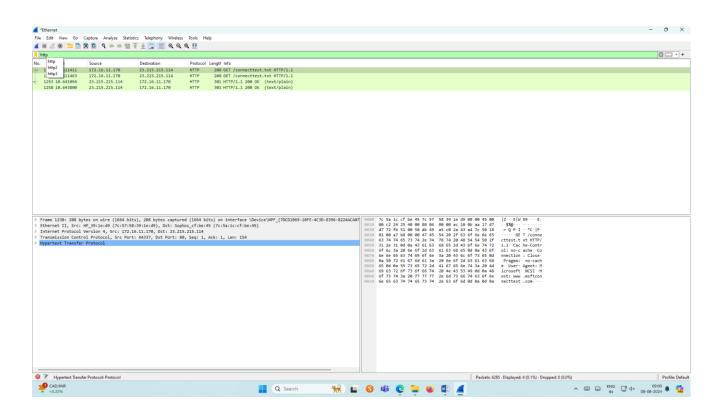


 ${\bf 5. Create\ a\ Filter\ to\ display\ only\ HTTP\ packets\ and\ inspect\ the\ packets}$

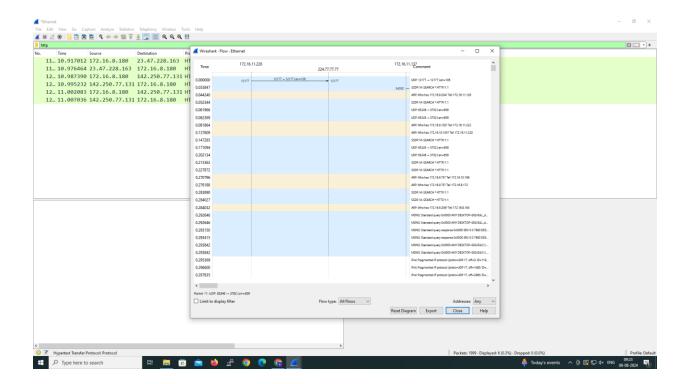
Procedure

- > Select Local Area Connection in Wireshark.
- ➤ Go to capture □ option
- Select stop capture automatically after 100 packets.
- > Then click Start capture.
- > Search HTTP packets in the search bar.
- > Save the packets.

Output



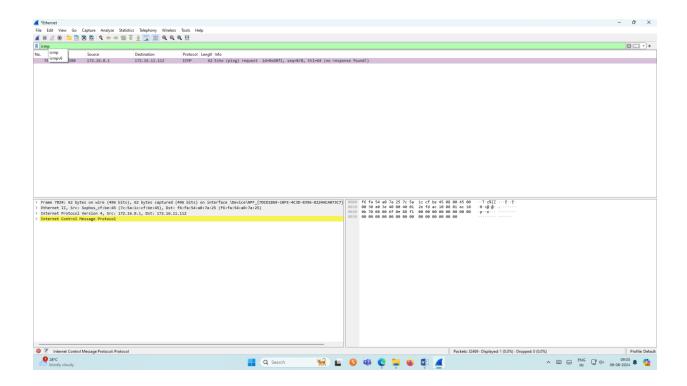
Flow Graph output



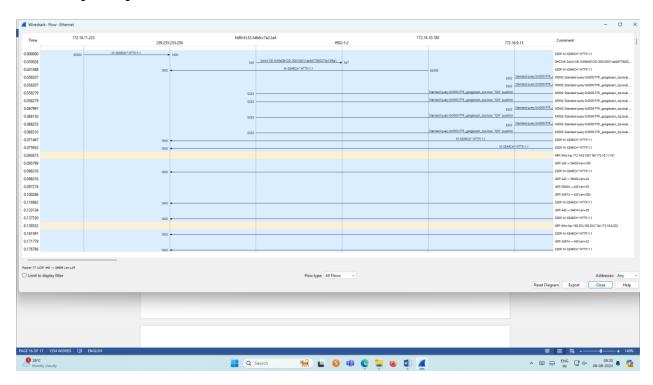
6.Create a Filter to display only IP/ICMP packets and inspect the packets.

Procedure

- > Select Local Area Connection in Wireshark.
- ➤ Go to capture □ option
- > Select stop capture automatically after 100 packets.
- > Then click Start capture.
- > Search ICMP/IP packets in search bar.
- > Save the packets



Flow Graph output

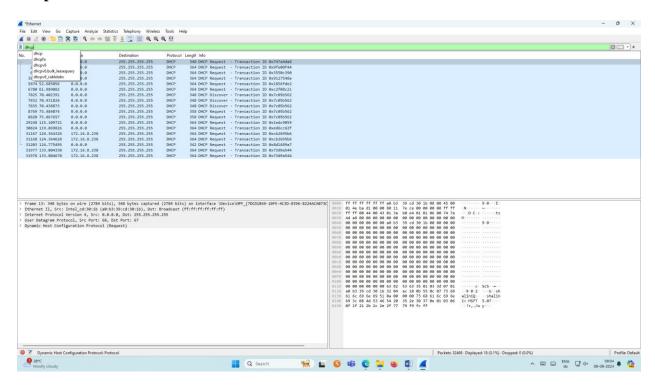


7. Create a Filter to display only DHCP packets and inspect the packets.

Procedure

- > Select Local Area Connection in Wireshark.
- ➤ Go to capture □ option
- > Select stop capture automatically after 100 packets.
- > Then click Start capture.
- > Search DHCP packets in search bar.
- > Save the packets

Output



RESULT:

The analysing of network traffic using wireshark tool is studied and the output is verified.