Ex No: 4 b

Date:14:8:24 ANALYZE NETWORK TRAFFIC USING WIRESHARK TOOL

AIM:

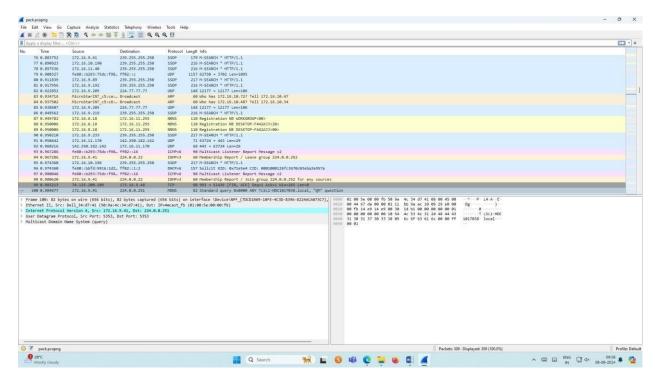
To capture, save, filter and analyze network traffic on TCP / UDP / IP / HTTP / ARP /DHCP /ICMP /DNS using Wireshark Tool

Exercises

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

Procedure

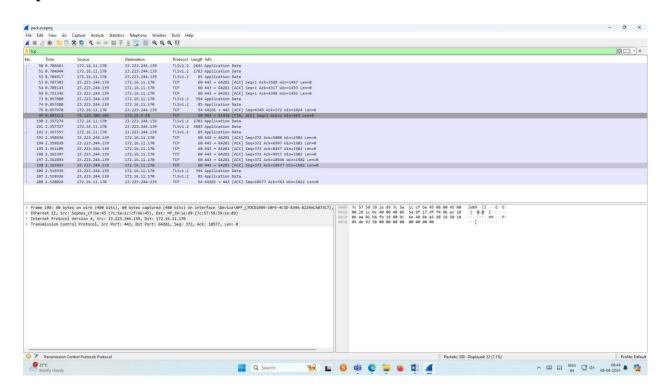
- > Select Local Area Connection in Wireshark.
- ➤ Go to capture ③ option
- ➤ Select stop capture automatically after 100 packets.
- ➤ Then click Start capture. ➤ Save the packets.



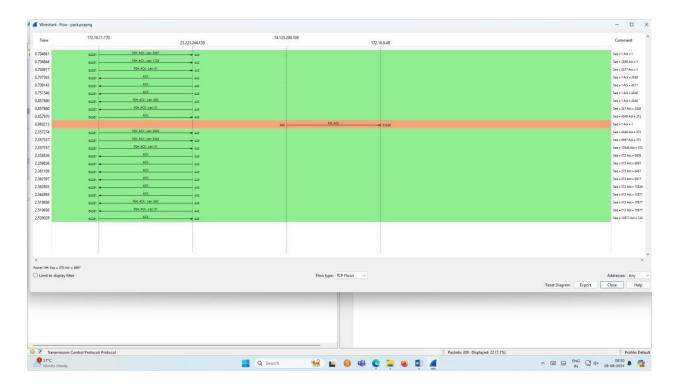
2.Create a Filter to display only TCP/UDP packets, inspect the packets and provide the flow graph.

Procedure

- > Select Local Area Connection in Wireshark.
- ➤ Go to capture ③ option
- > Select stop capture automatically after 100 packets.
- > Then click Start capture.
- > Search TCP packets in search bar.
- ➤ To see flow graph click Statistics ⑤ Flow graph. ➤ Save the packets.



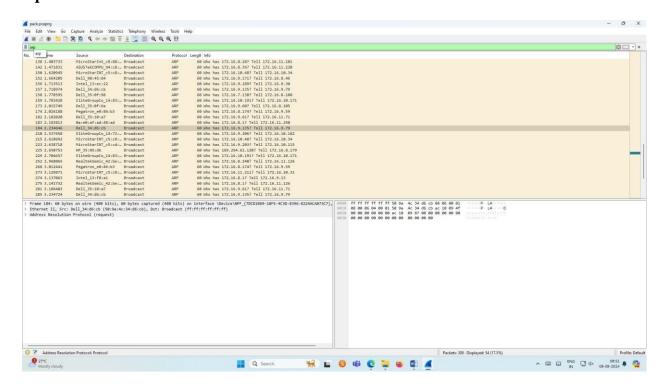
Flow Graph output



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

- > Select Local Area Connection in Wireshark.
- ➤ Go to capture ③ option
- > Select stop capture automatically after 100 packets.
- > Then click Start capture.
- > Search ARP packets in search bar.
- > Save the packets.

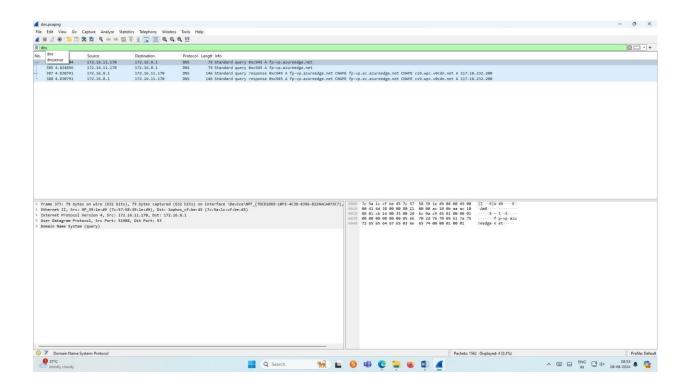
Output



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

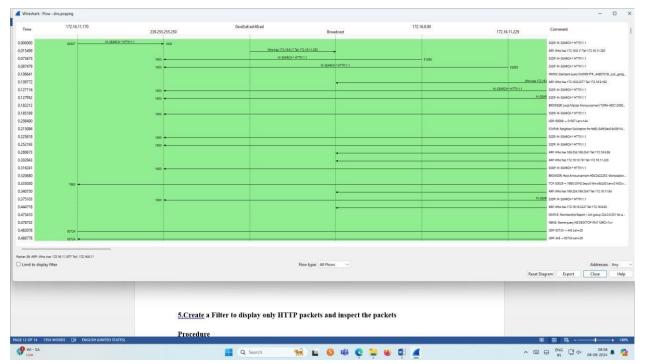
- > Select Local Area Connection in Wireshark.
- ➤ Go to capture ③ option
- ➤ Select stop capture automatically after 100 packets.

- > Then click Start capture.
- > Search DNS packets in search bar.
- ➤ To see flow graph click Statistics & Flow graph.
- > Save the packets.



Name: Renuga Devi.K

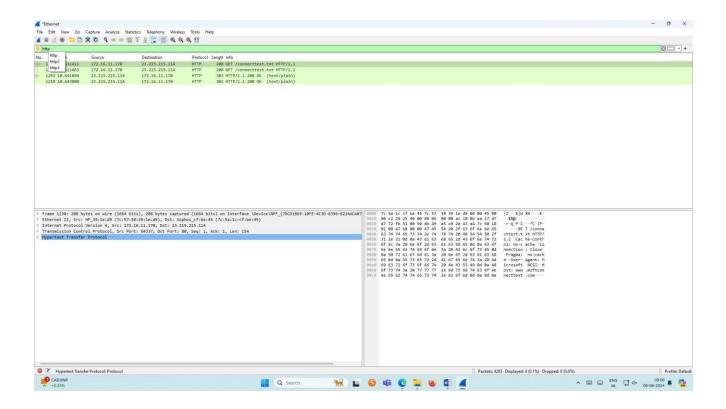
Graph output



5. Create a Filter to display only HTTP packets and inspect the packets

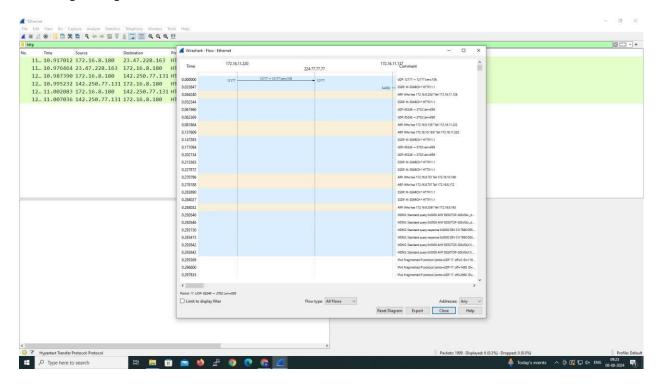
Procedure

- > Select Local Area Connection in Wireshark.
- ➤ Go to capture ③ option
- ➤ Select stop capture automatically after 100 packets.
- > Then click Start capture.
- > Search HTTP packets in the search bar.
- > Save the packets.



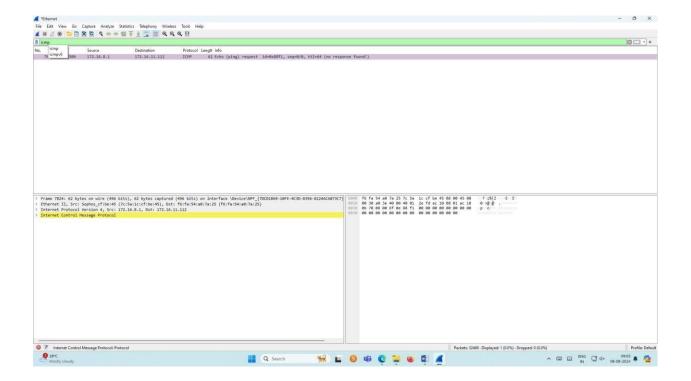
Name: Renuga Devi.K

Flow Graph output



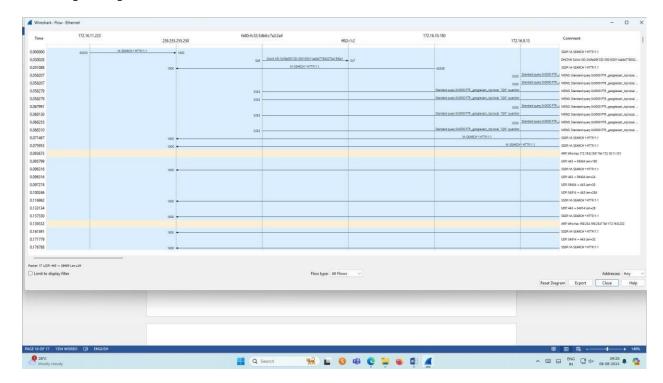
6.Create a Filter to display only IP/ICMP packets and inspect the packets.

- ➤ Select Local Area Connection in Wireshark.
- ➤ Go to capture ③ option
- > Select stop capture automatically after 100 packets.
- > Then click Start capture.
- > Search ICMP/IP packets in search bar.
- > Save the packets



Name: Renuga Devi.K

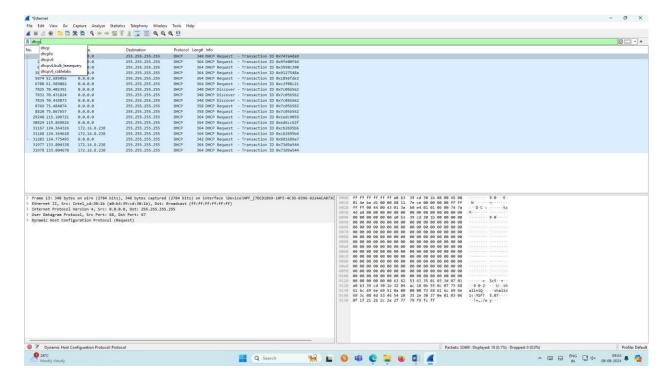
Flow Graph output



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

- > Select Local Area Connection in Wireshark.
- ➤ Go to capture ③ option
- ➤ Select stop capture automatically after 100 packets.
- > Then click Start capture.
- > Search DHCP packets in search bar.
- > Save the packets

Output



Result:

Thus, the study of packet sniffing using wireshark has been verified.