# **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

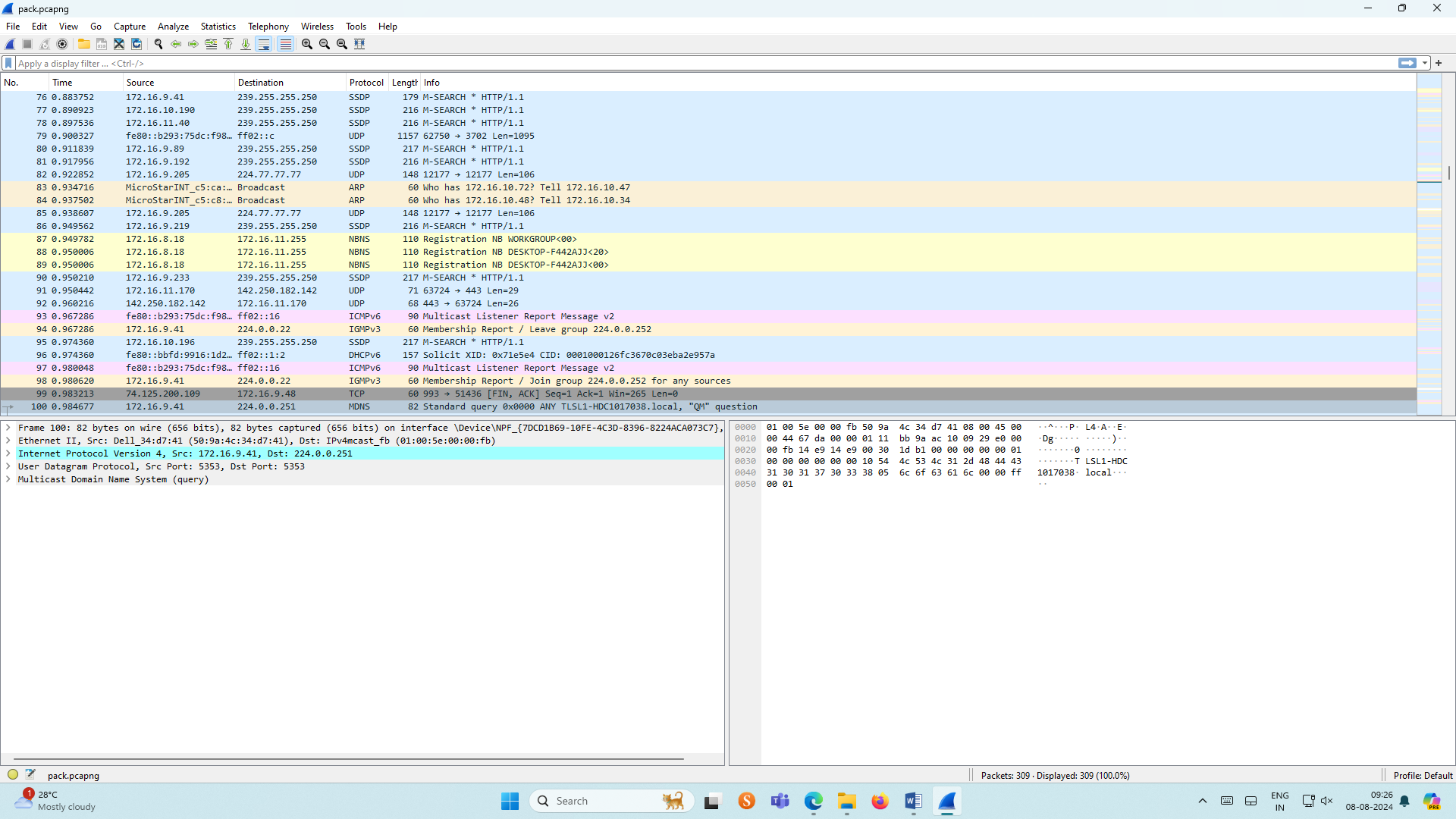
**Exercises**

**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.

**Output**

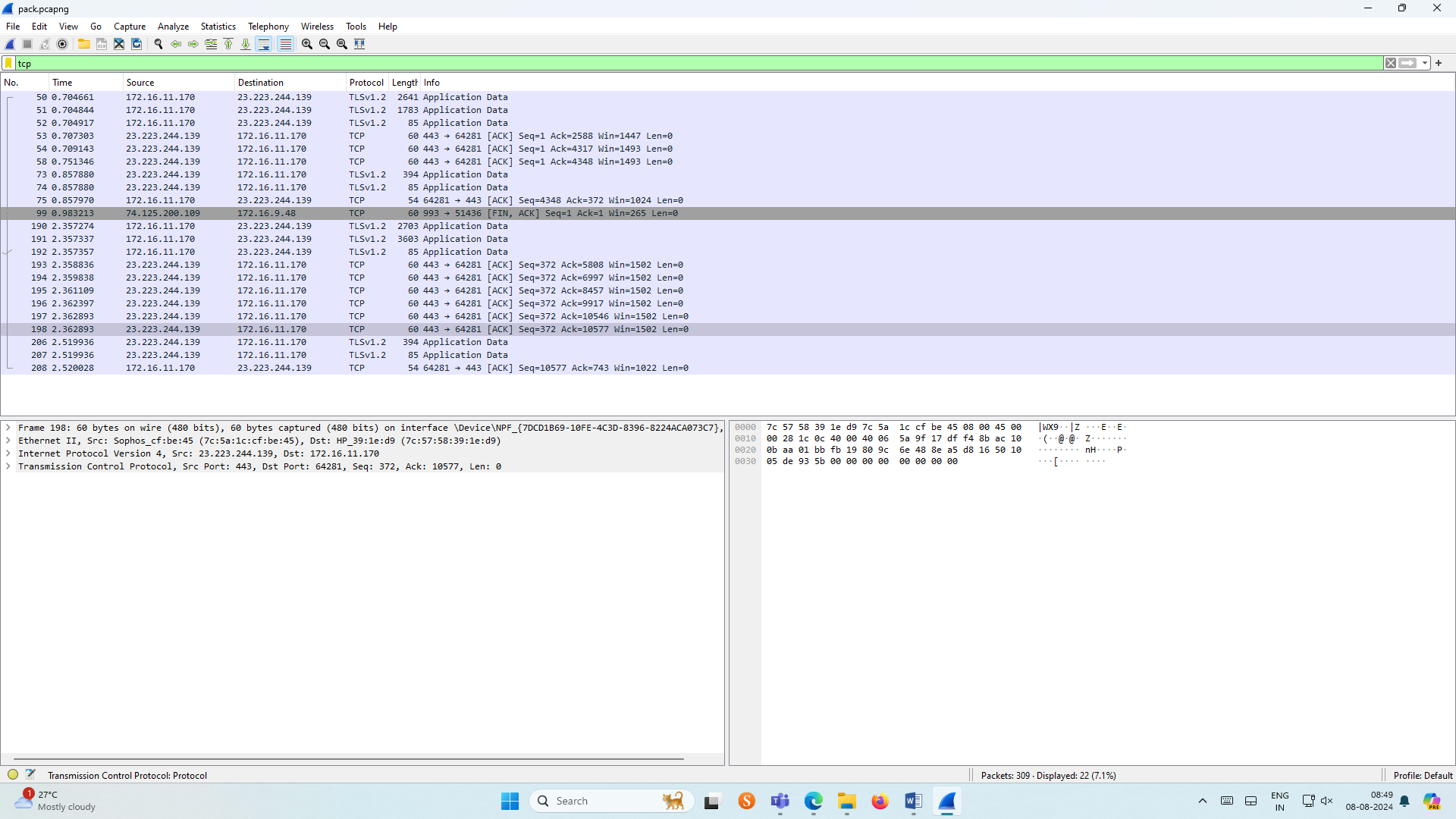
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**2.Create a Filter to display only TCP/UDP packets, inspect the packets and provide the flow graph.**

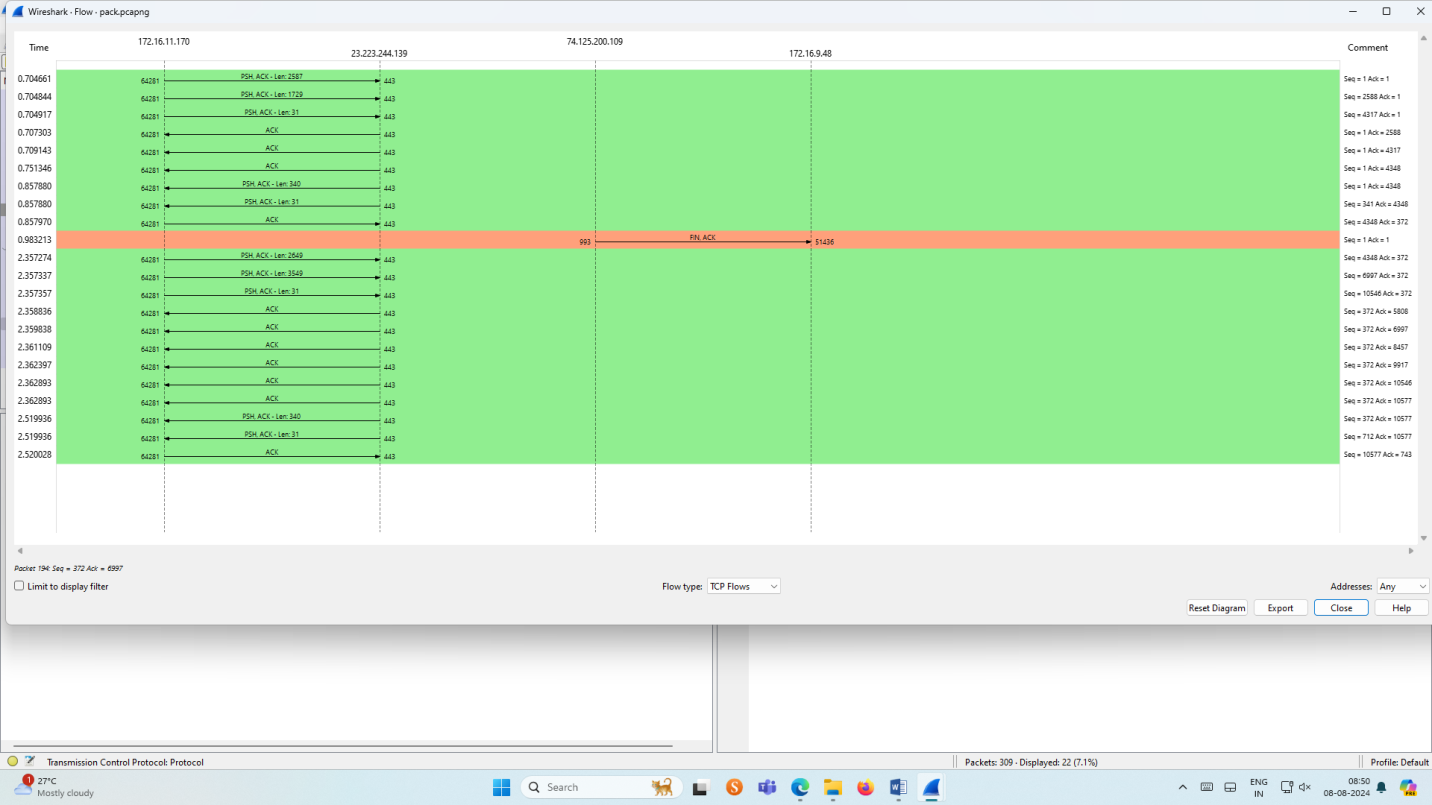
**Procedure**

* Select Local Area Connection in Wireshark.
* Go to capture 🡪 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.

**Output:**

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**Flow Graph output**

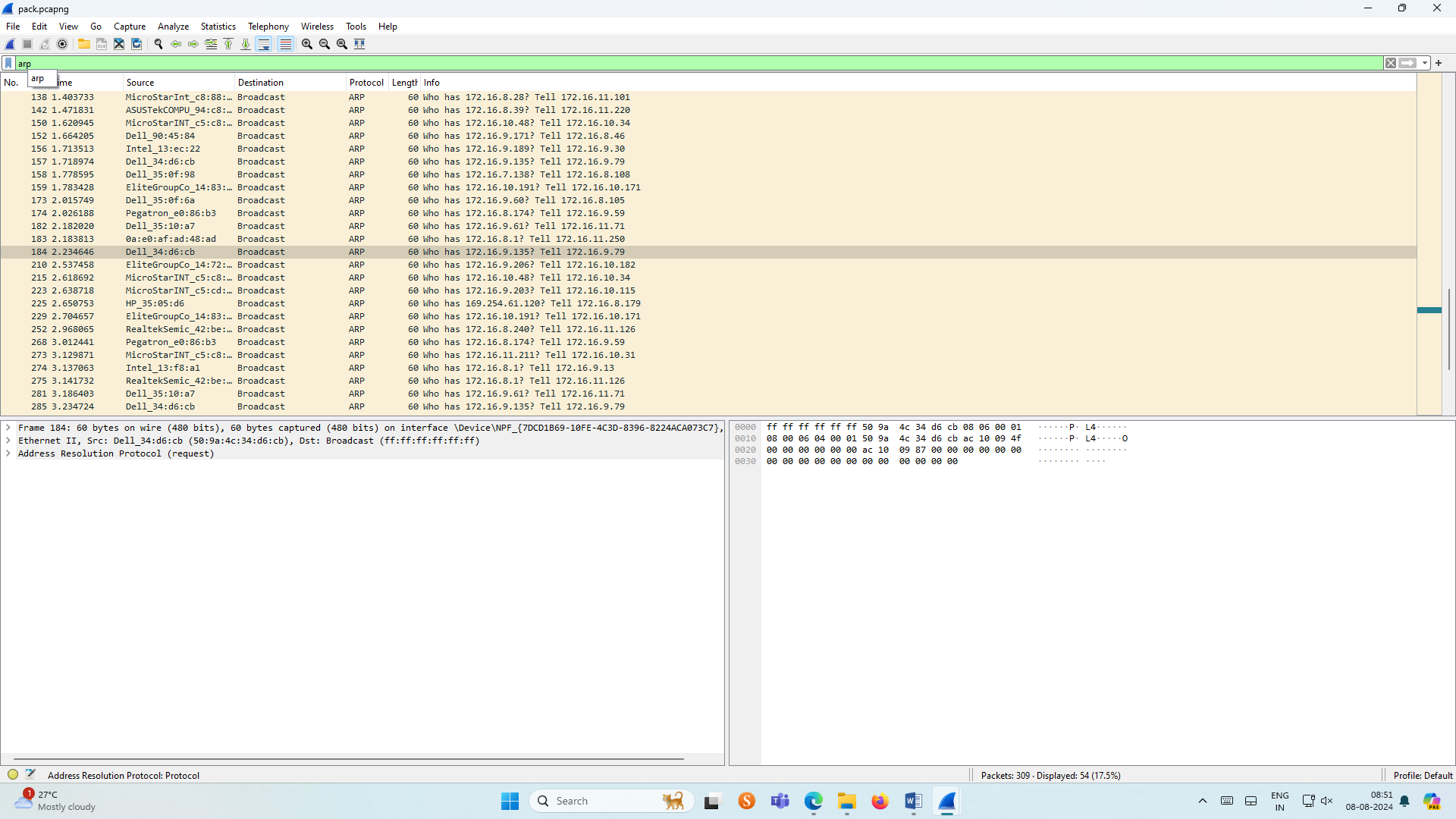
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**3.Create a Filter to display only ARP packets and inspect the packets.**

**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.

**Output**

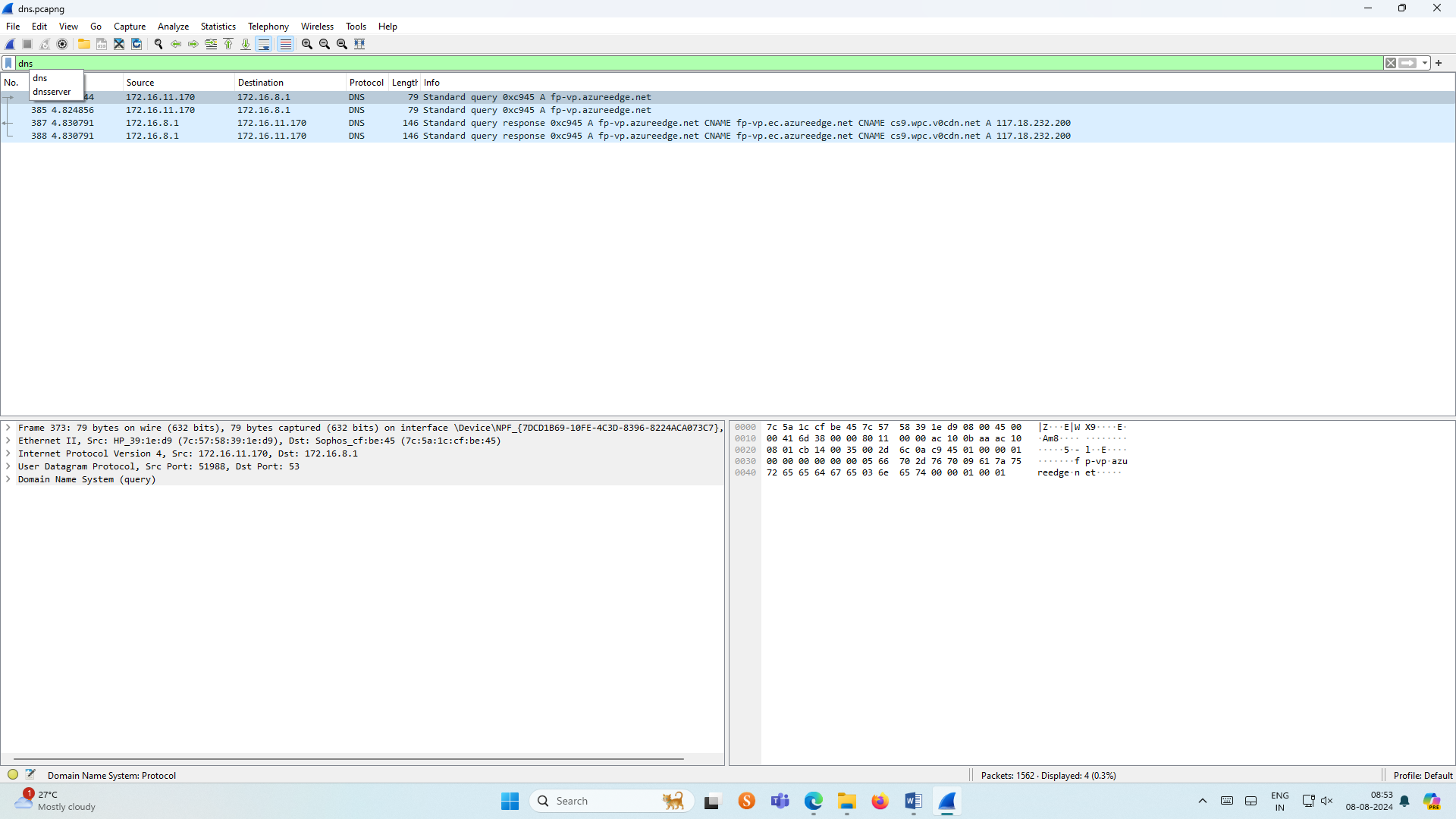
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**4.Create a Filter to display only DNS packets and provide the flow graph.**

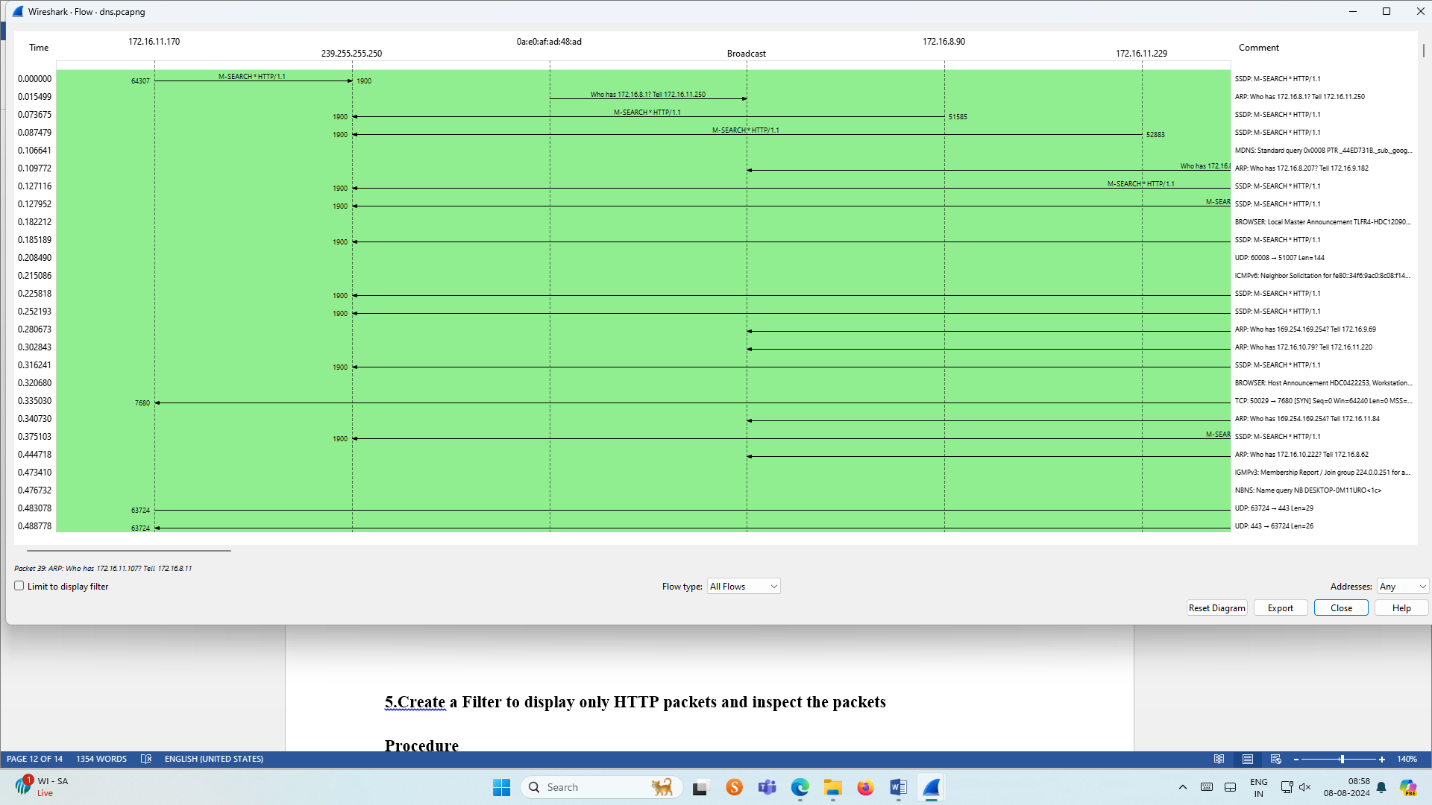
**Procedure**

* 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.

**Output**



**Graph output**

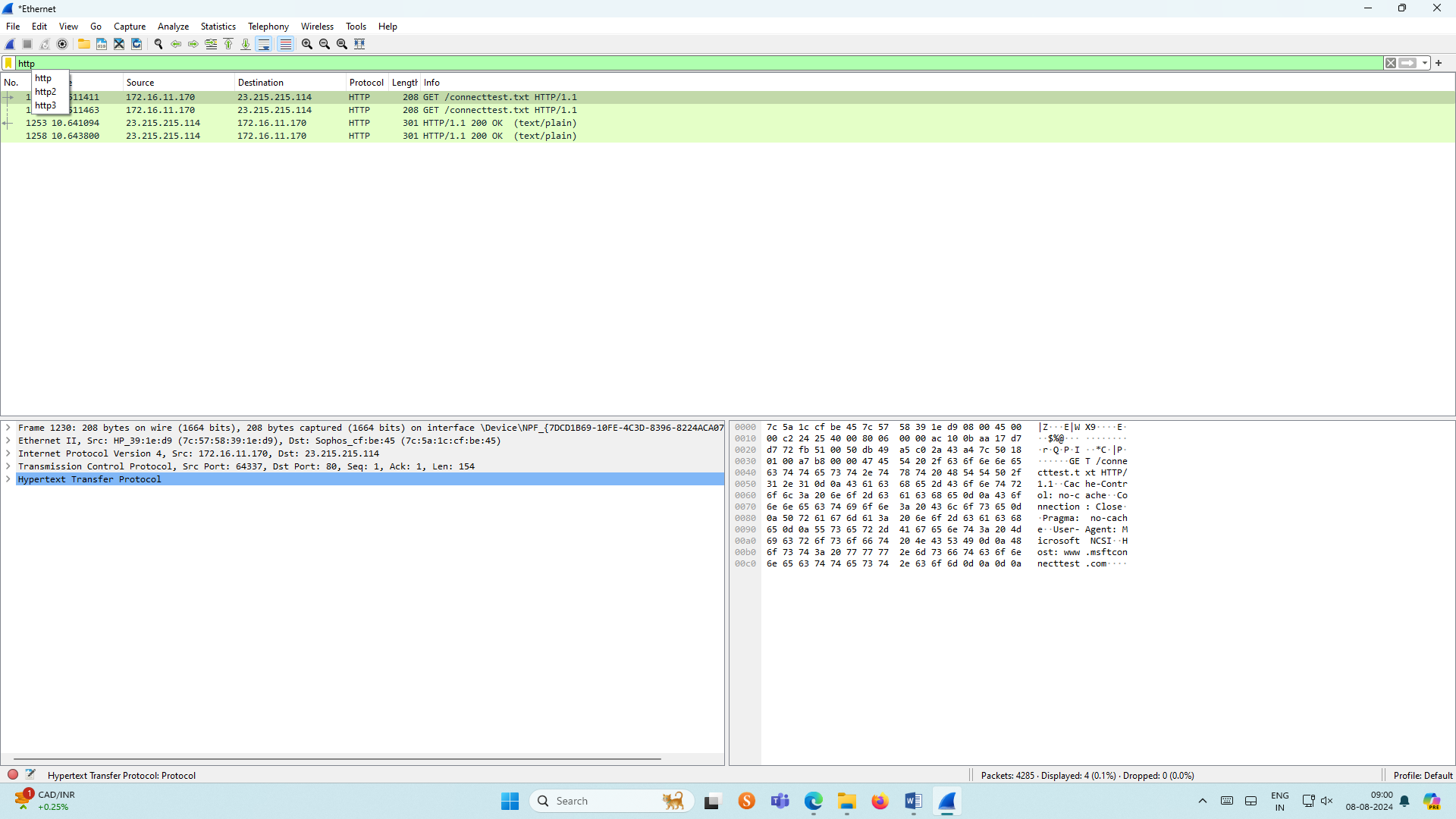
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**5.Create a Filter to display only HTTP packets and inspect the packets**

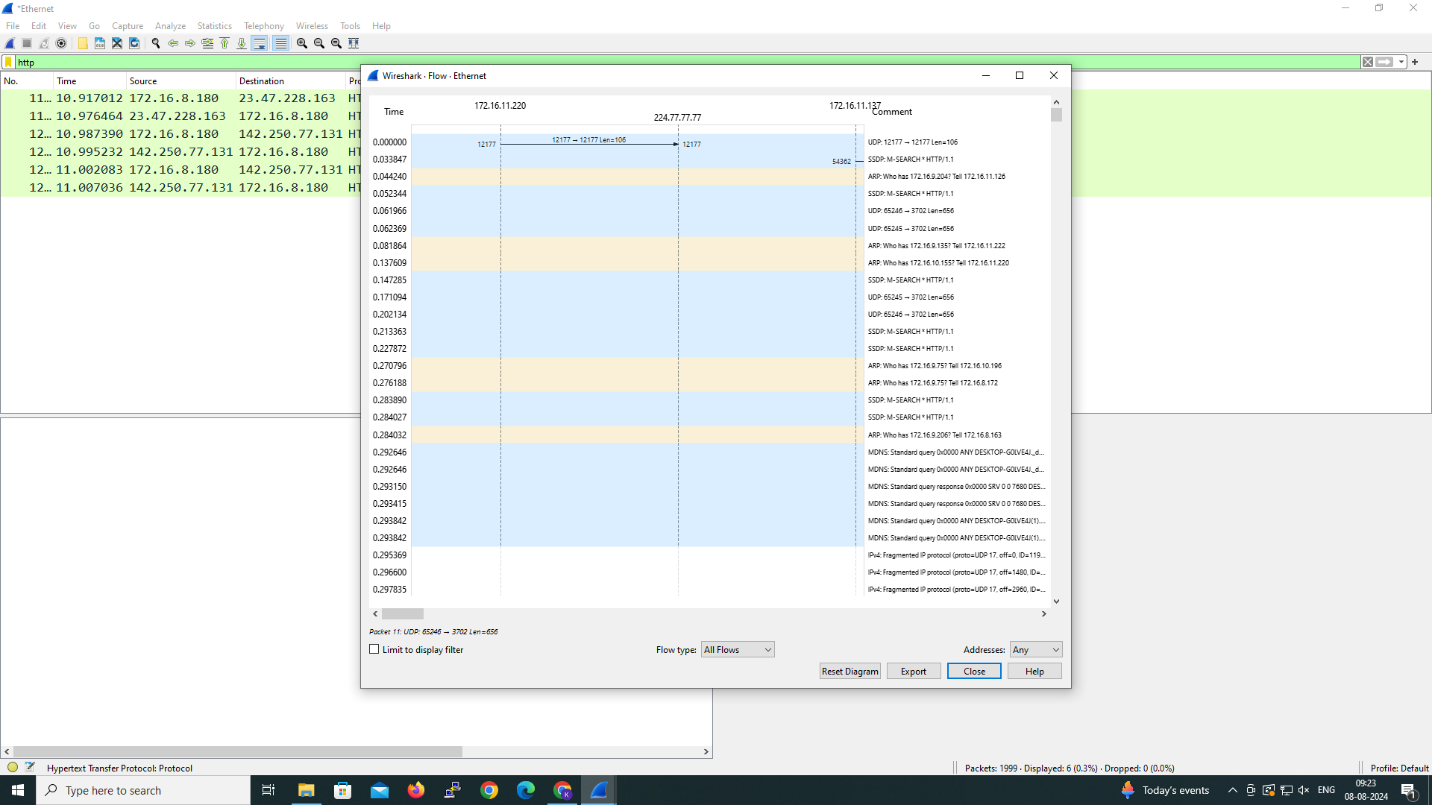
**Procedure**

* 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**

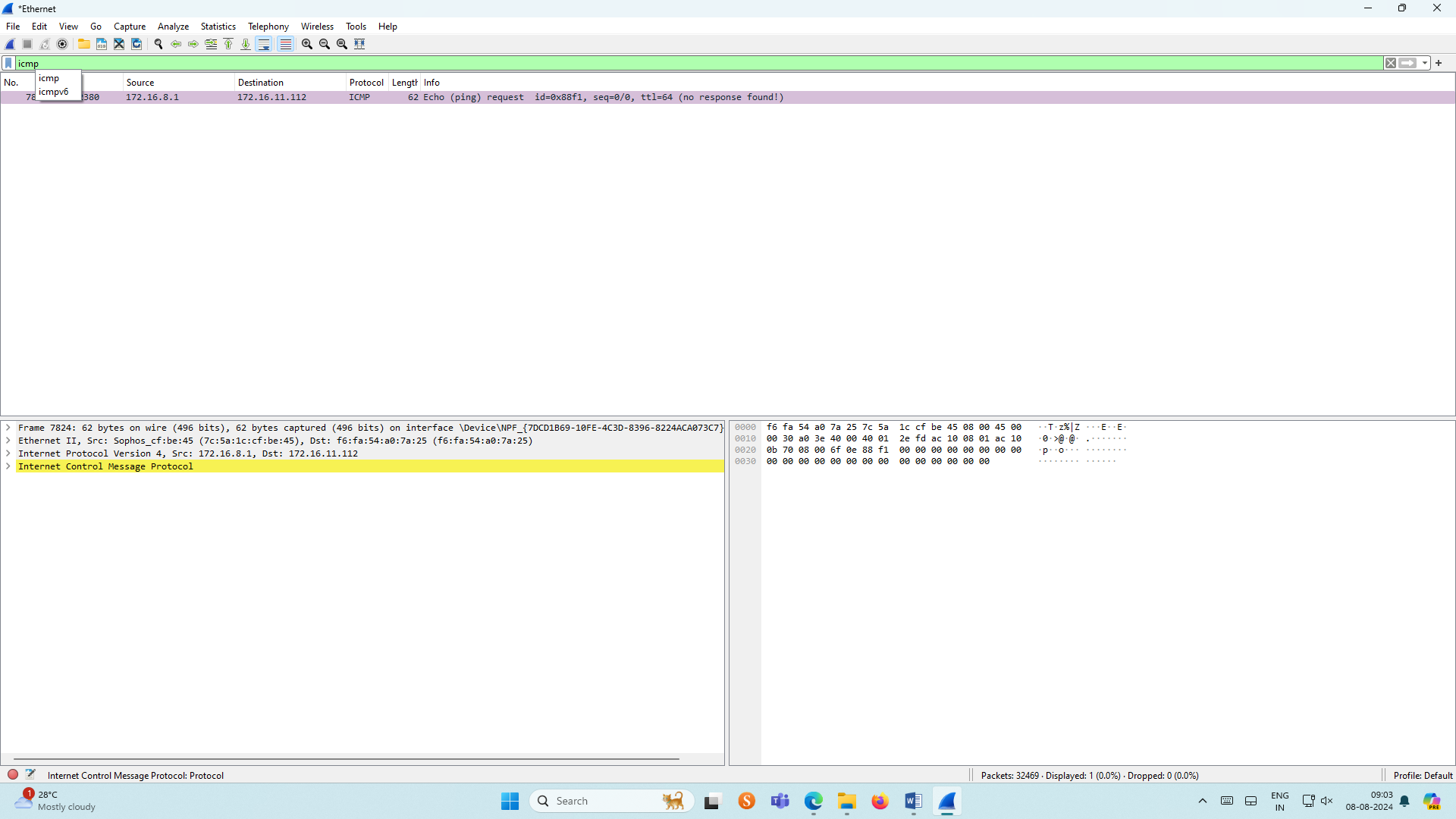
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**6.Create a Filter to display only IP/ICMP packets and inspect the packets.**

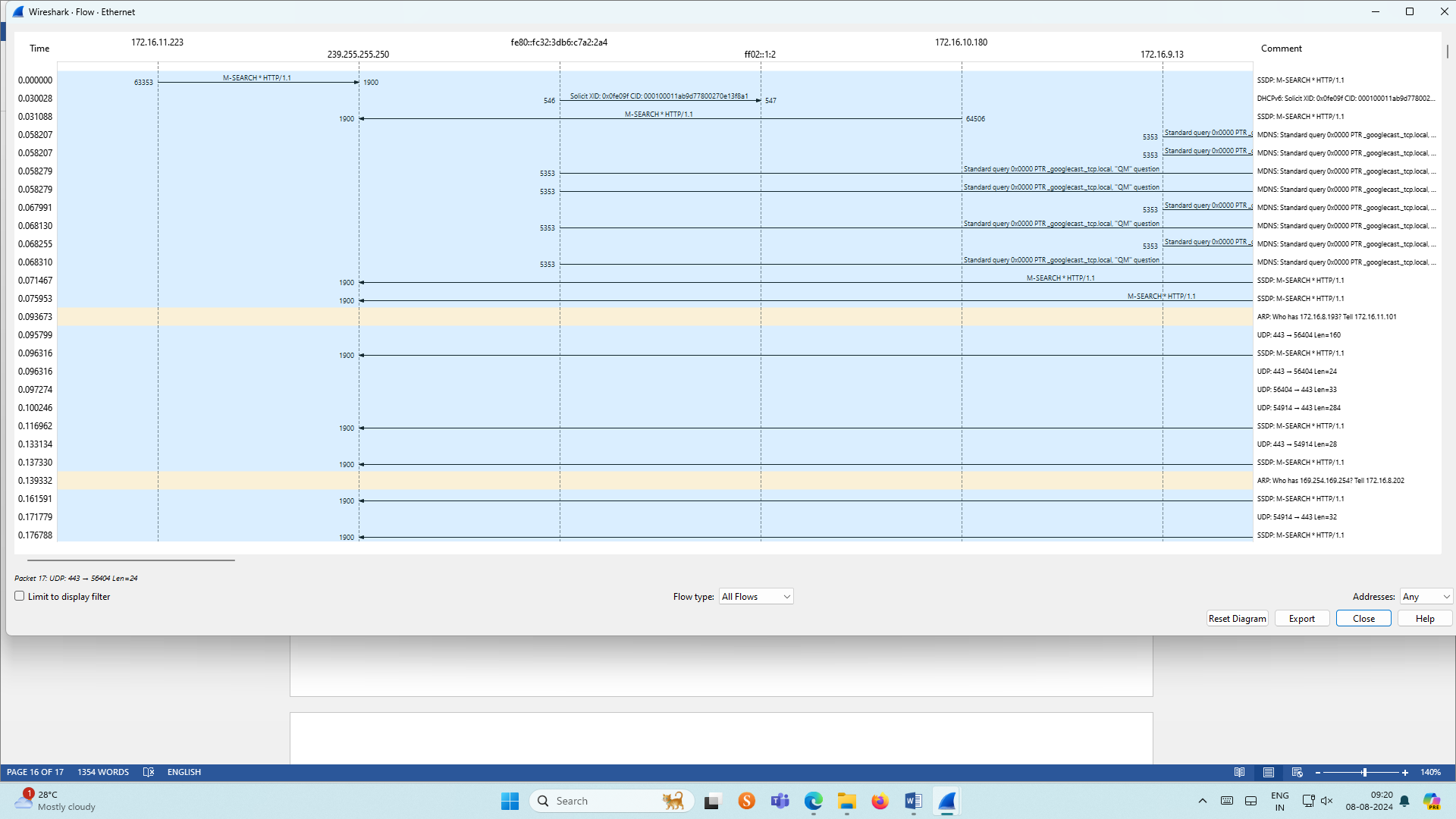
**Procedure**

* 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

**Output**



**Flow Graph output**

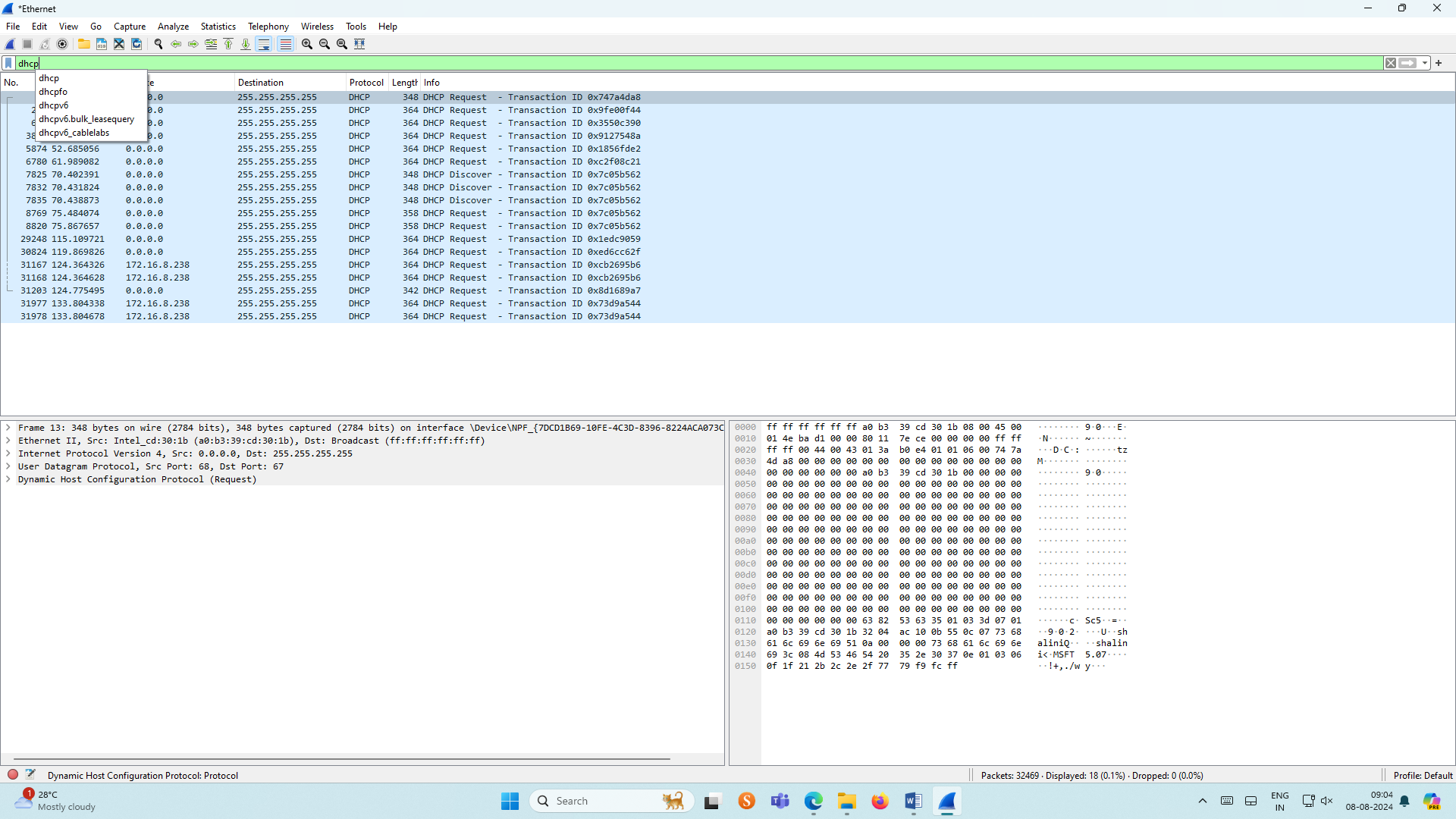
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**7.Create a Filter to display only DHCP packets and inspect the packets.**

**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**

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**RESULT:**

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