

Ex No: 4B

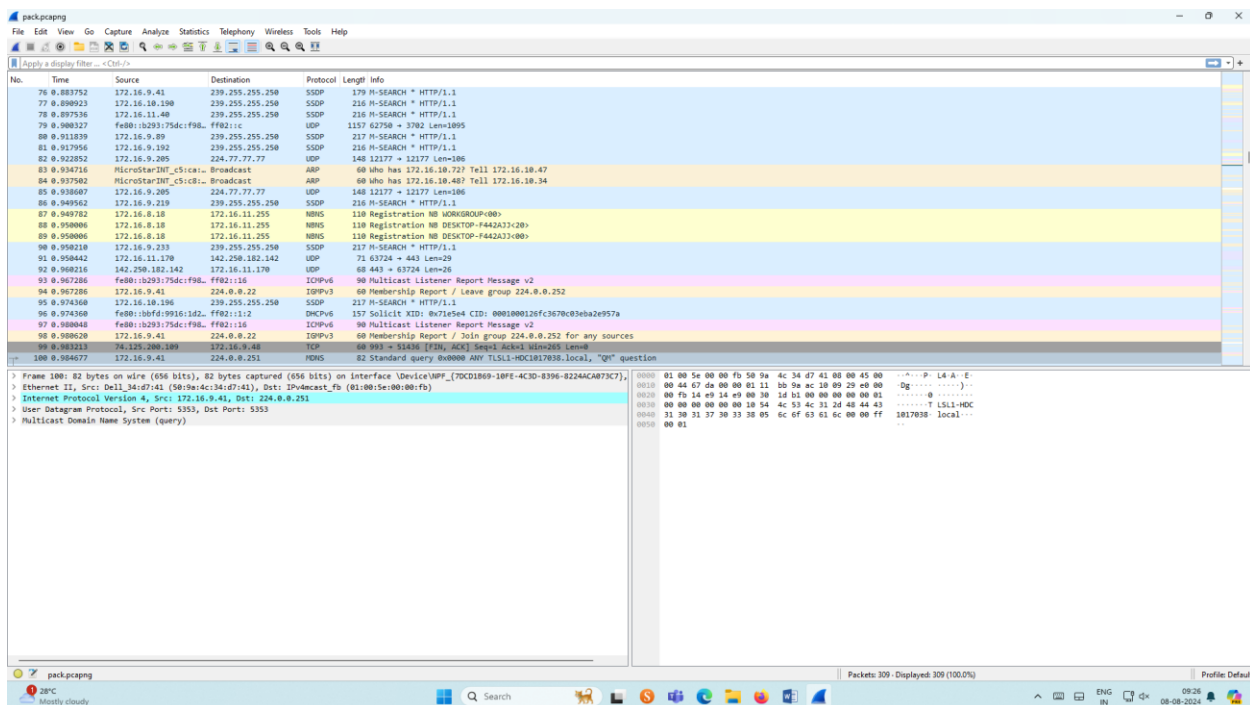
DATE:8/8/24

**ANALYSE 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 ☐ option
- Select stop capture automatically after 100 packets.
- Then click Start capture.
- Save the packets.

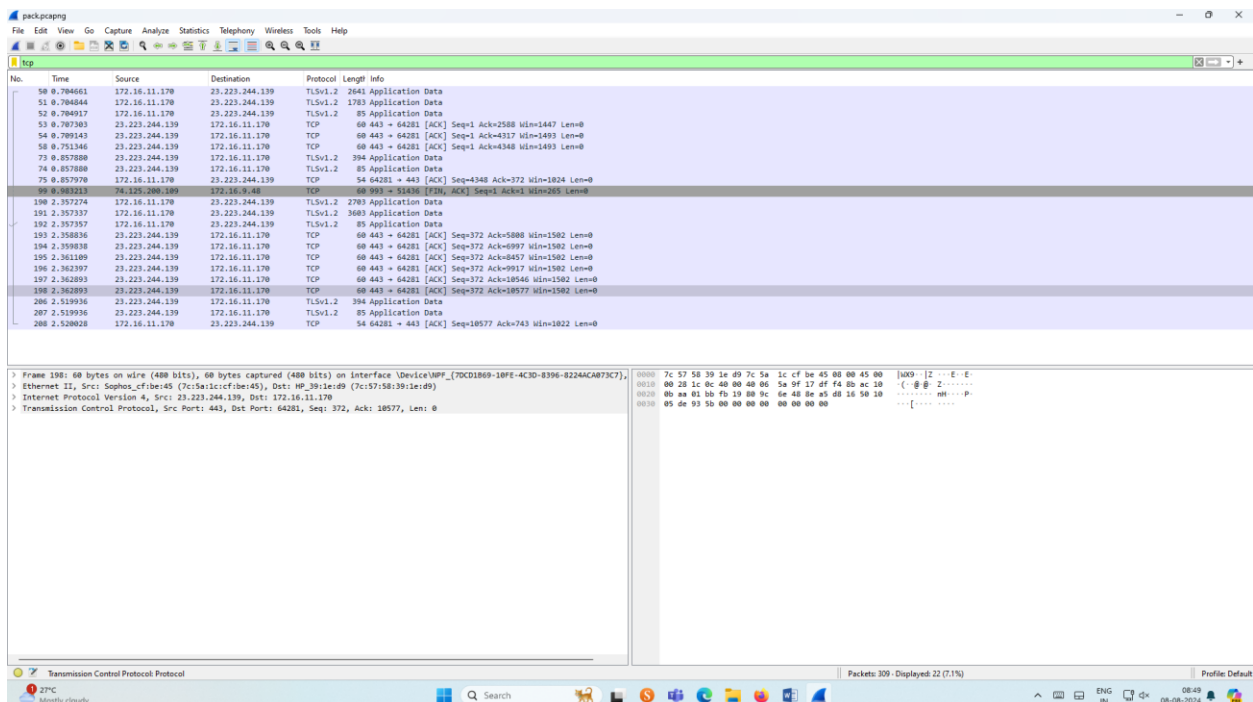
**Output**

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

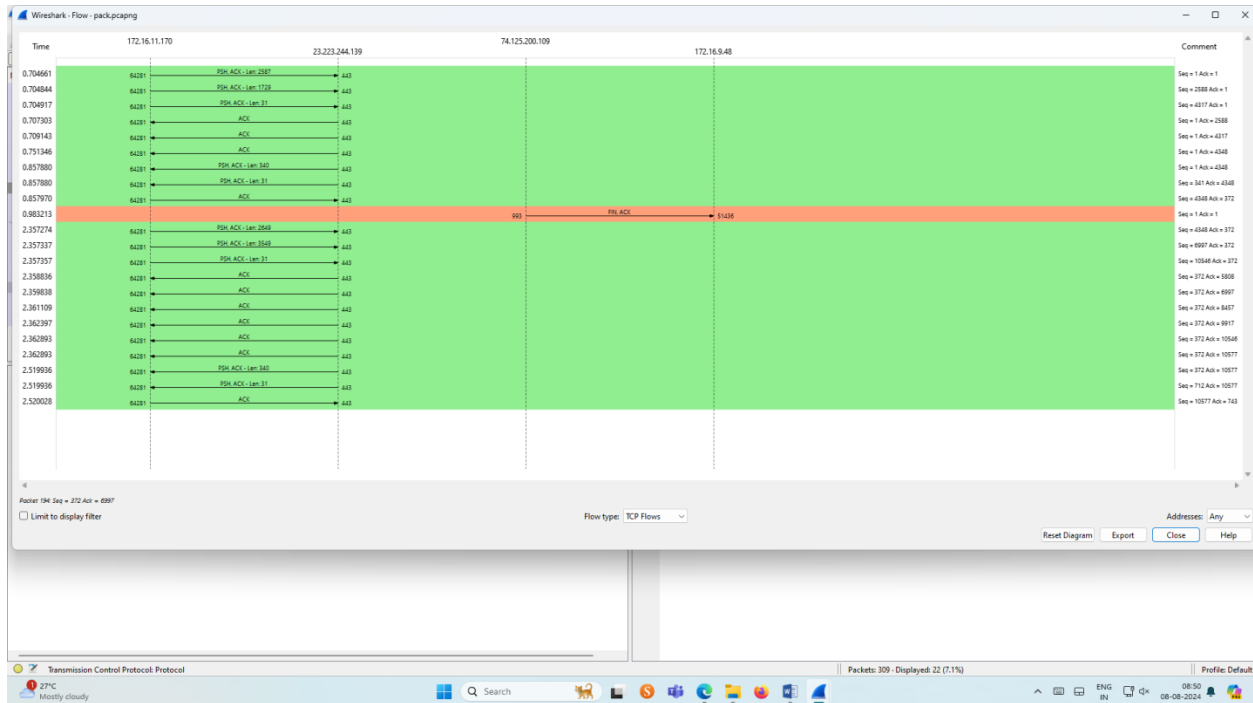
### Procedure

- 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:



### Flow Graph output

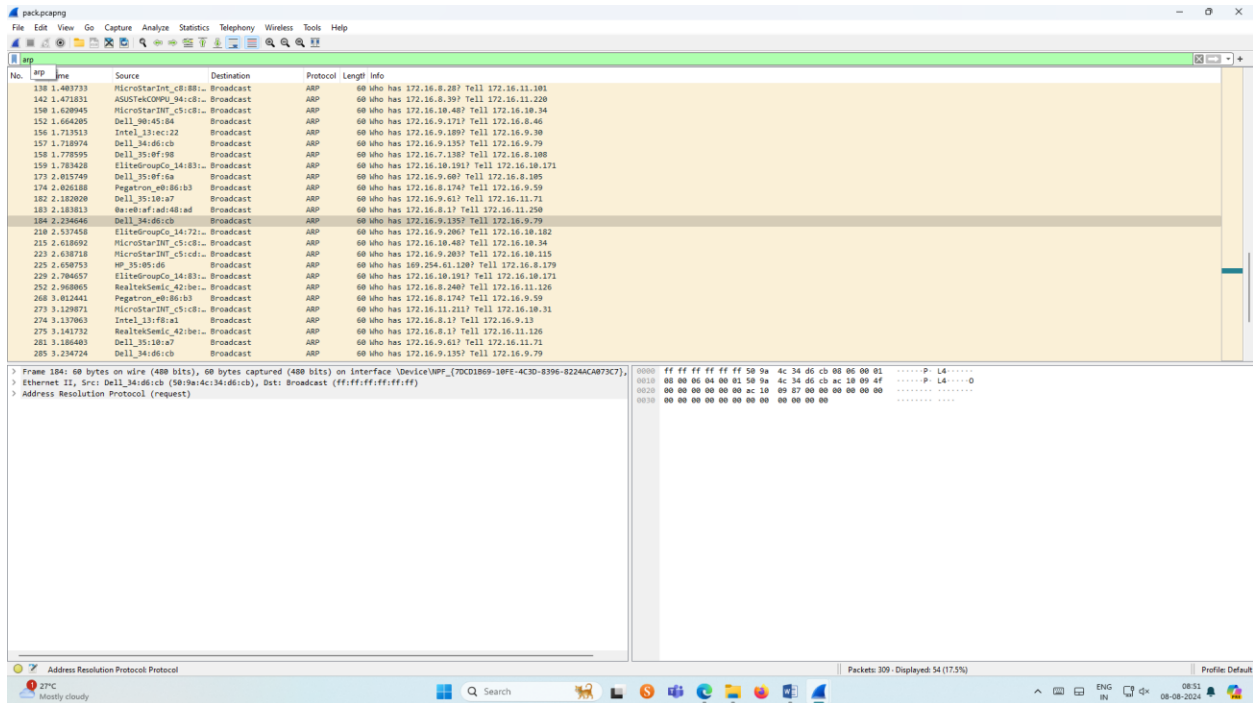


### 3.Create a Filter to display only ARP packets and inspect the packets.

#### 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



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

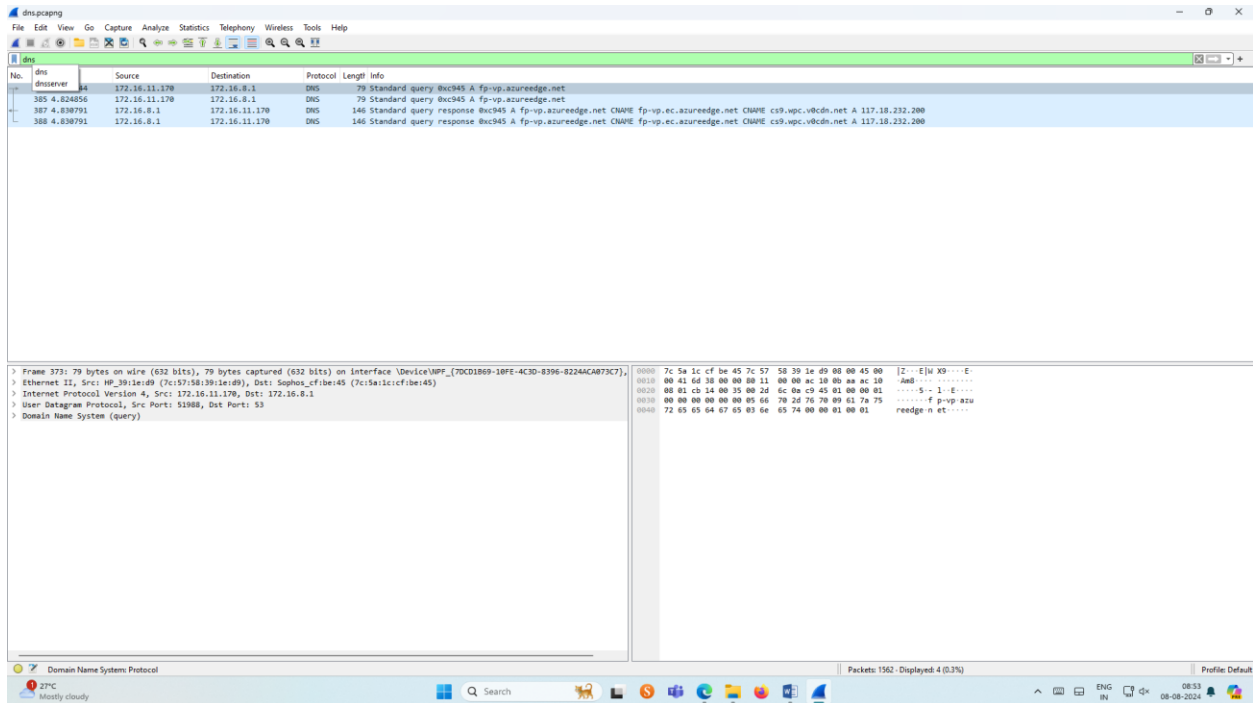
##### Procedure

- 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.

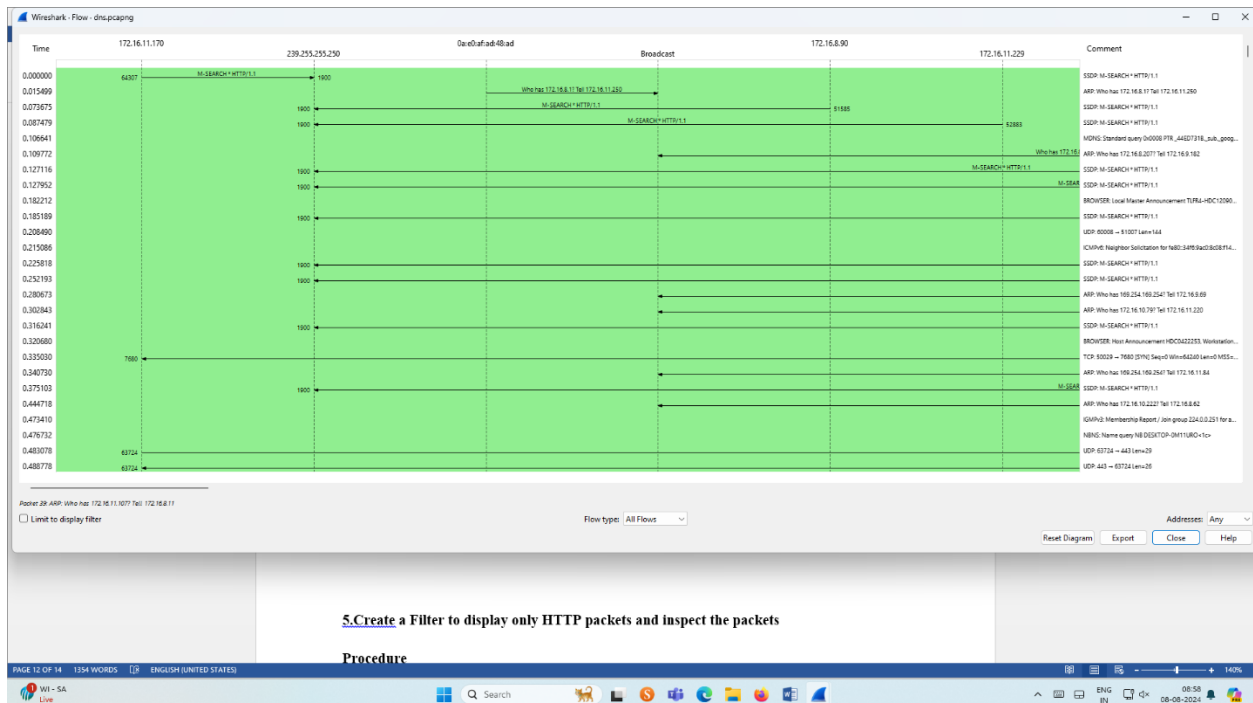
##### Output

Name : Renuga Devi.k

Roll No : 231901041



## Graph output



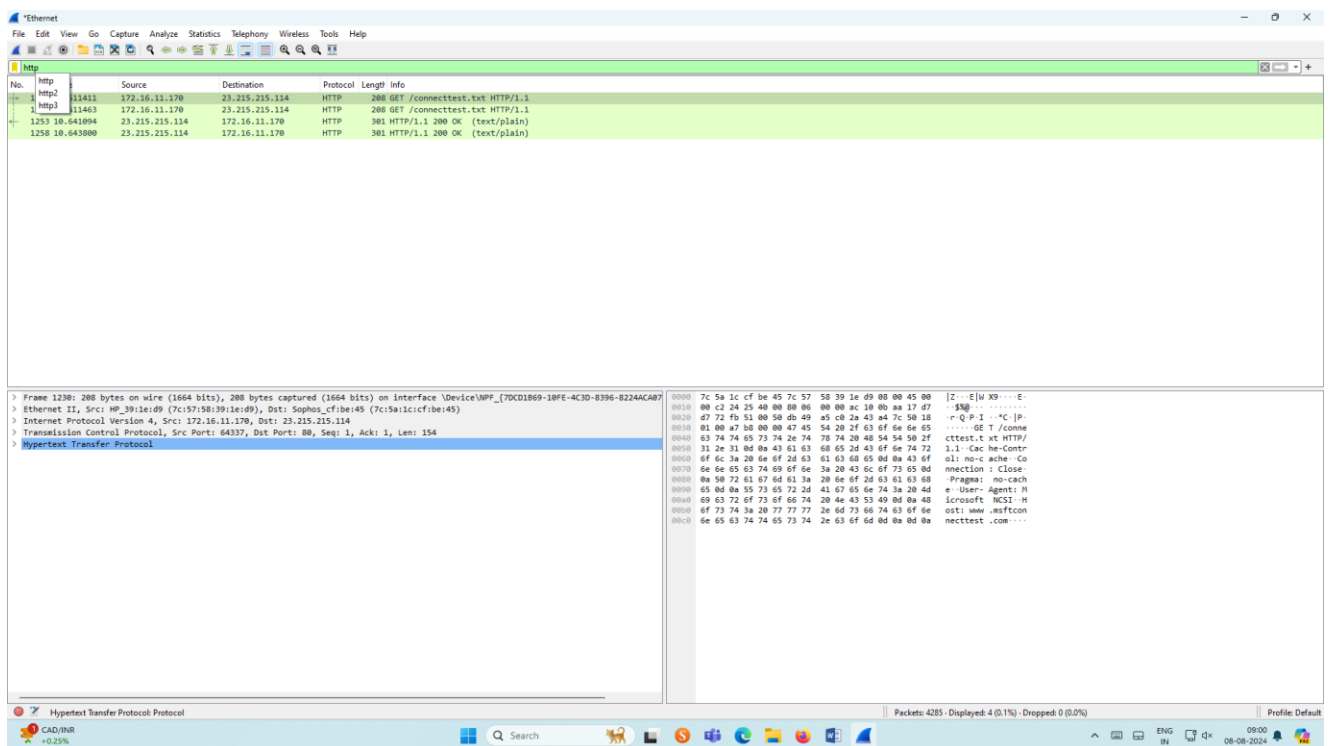
## 5.Create a Filter to display only HTTP packets and inspect the packets

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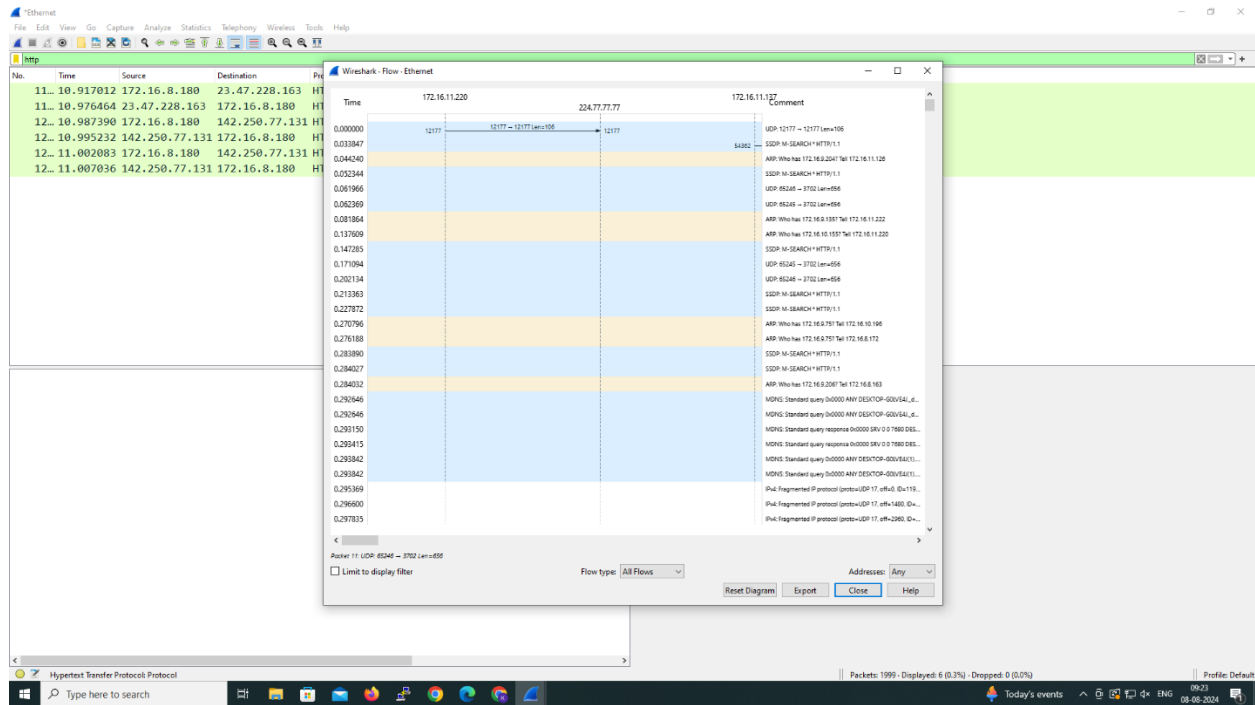
## Procedure

- 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.

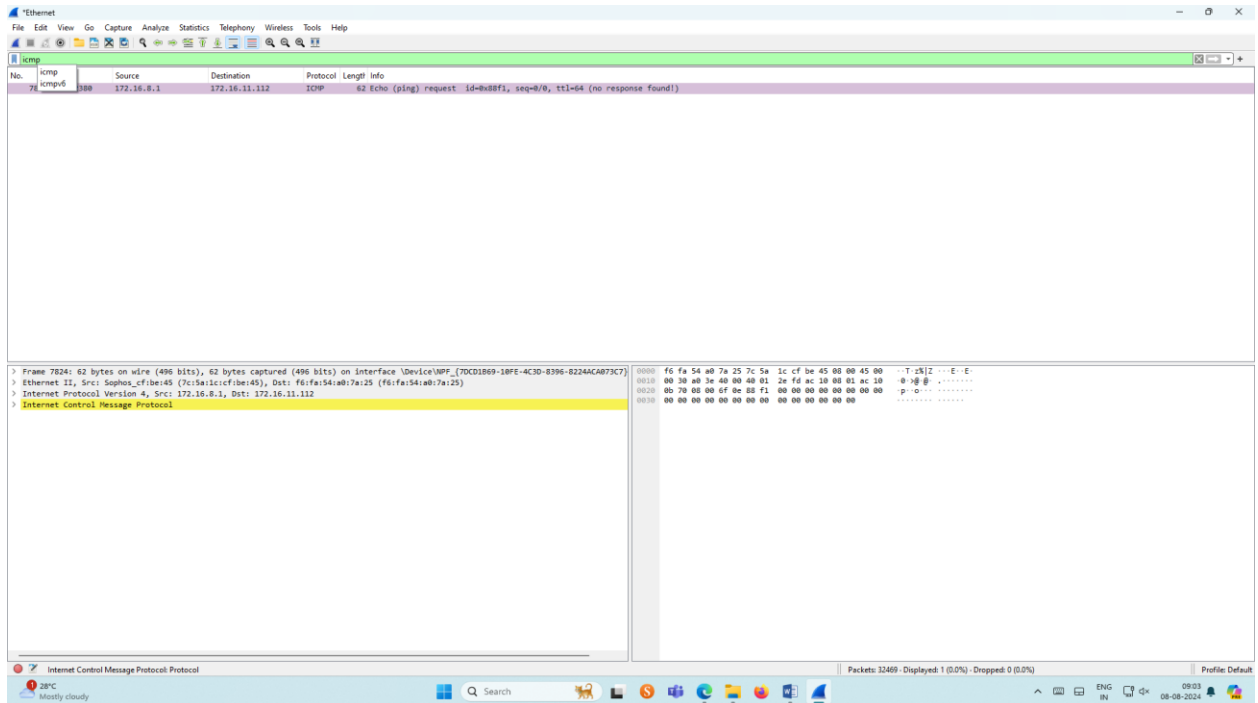
### Procedure

- 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

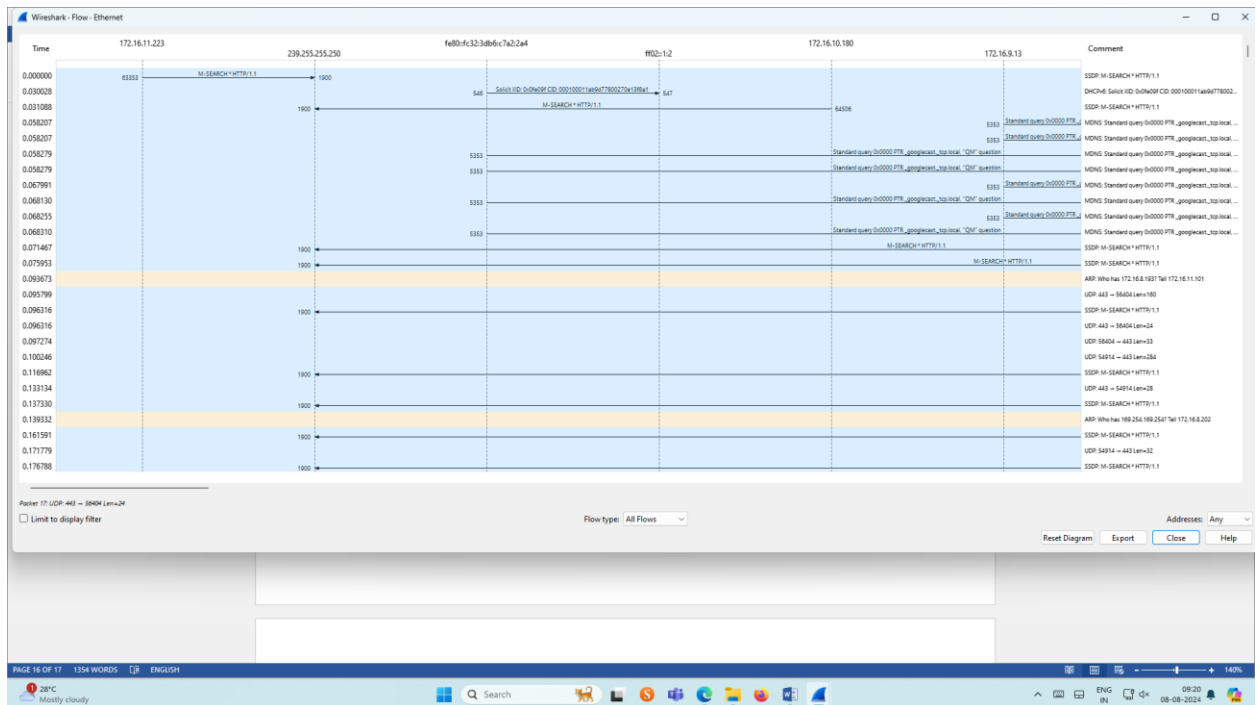
### Output

Name : Renuga Devi.k

Roll No : 231901041



## Flow Graph output



CSE (CYBER SECURITY)

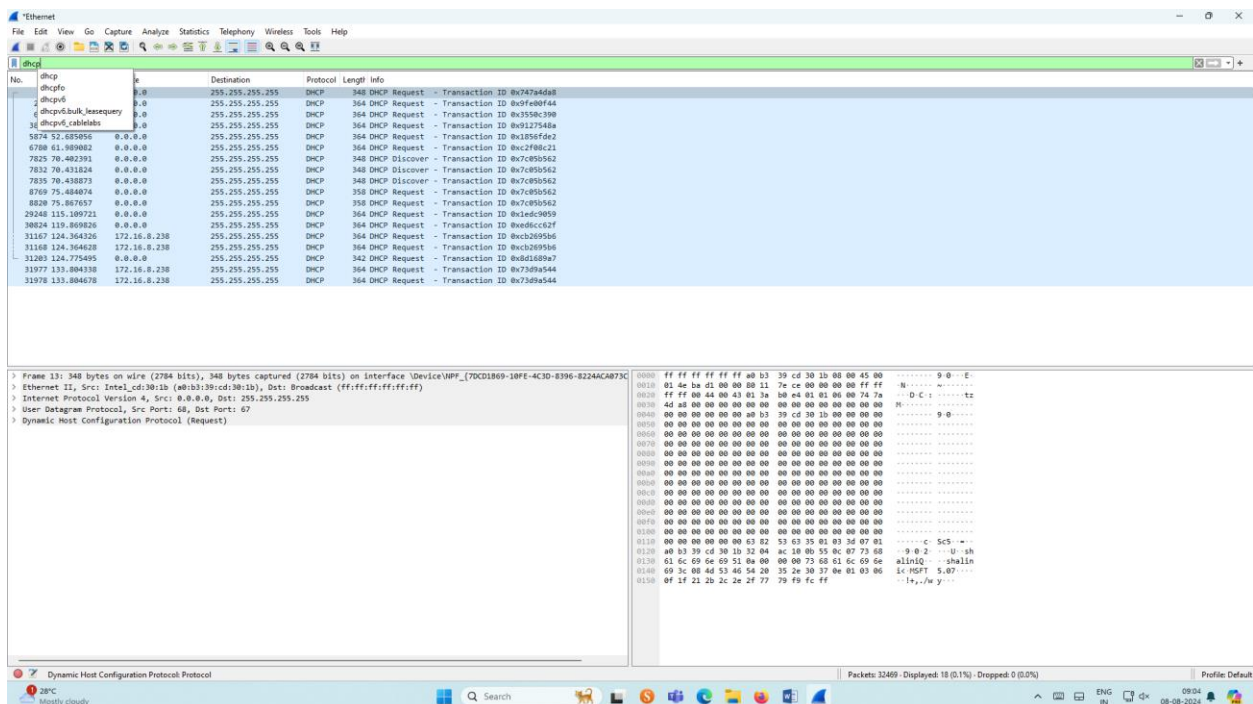


## 7.Create a Filter to display only DHCP packets and inspect the packets.

### 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.