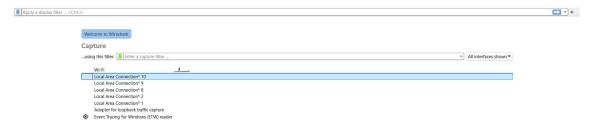
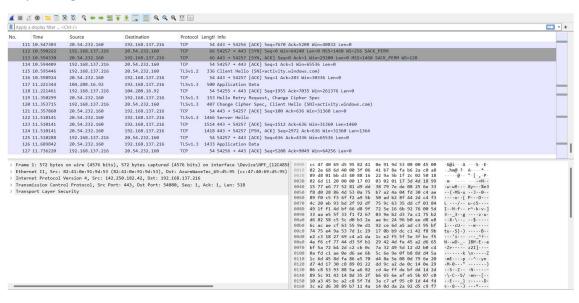
### Practical 5

### Aim:

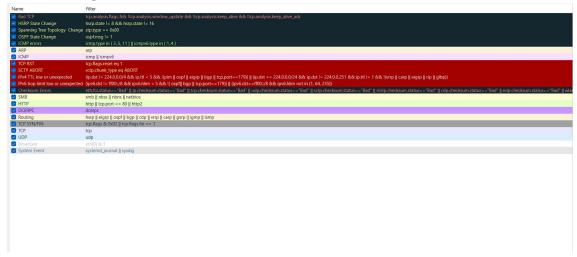
### Experiments on Packet capture tool: Wireshark



## Capturing Packets:



# Color Coding:



# **Display Filters:**



1. 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

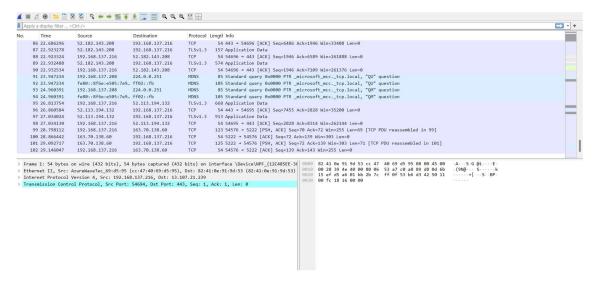
Select stop capture automatically after 100 packets.

Then click Start capture.

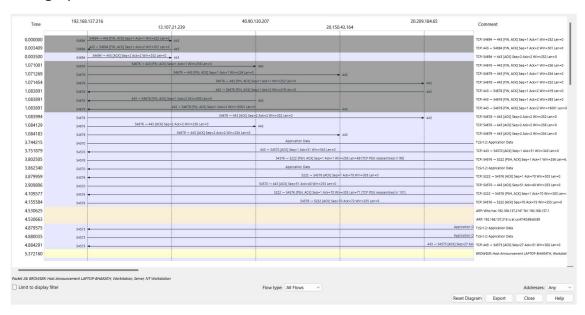
Search TCP packets in search bar.

To see flow graph click Statistics  $\rightarrow$  Flow graph.

### Save the packets.



### Flowgraph:



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

**Procedure** 

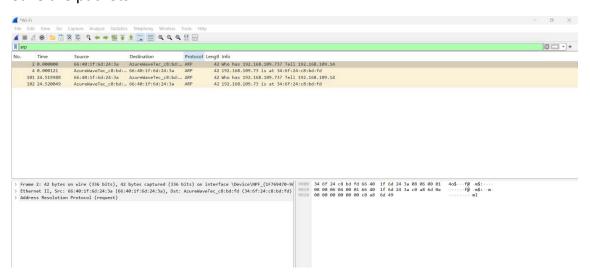
Go to capture  $\rightarrow$  option

Select stop capture automatically after 100 packets.

Then click Start capture.

Search ARP packets in search bar.

Save the packets.



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

Procedure

Go to capture → option

Select stop capture automatically after 100 packets.

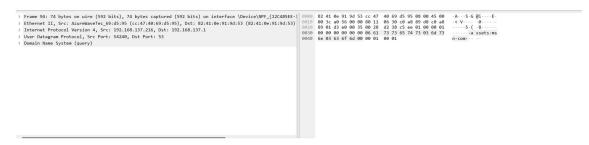
Then click Start capture.

Search DNS packets in search bar.

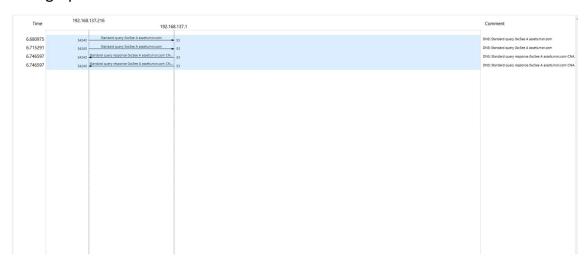
To see flow graph click Statistics  $\rightarrow$  Flow graph.

# Save the packets.





## Flowgraph:



4. 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

