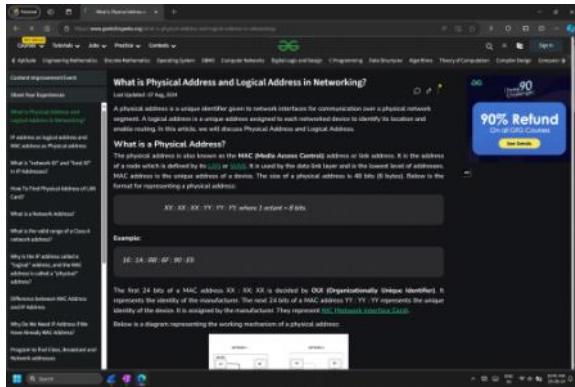


4 types of addressing methods:

1. Physical address:

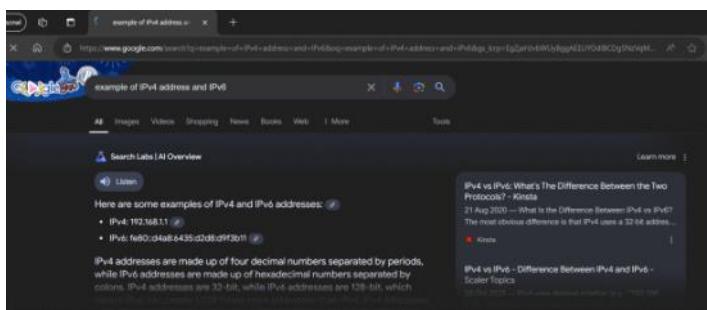
- > it's also called MAC address or LAN address
- > the length of physical address is 48 bits



[What is Physical Address and Logical Address in Networking? - GeeksforGeeks](#)

2. Logical address or IP address:

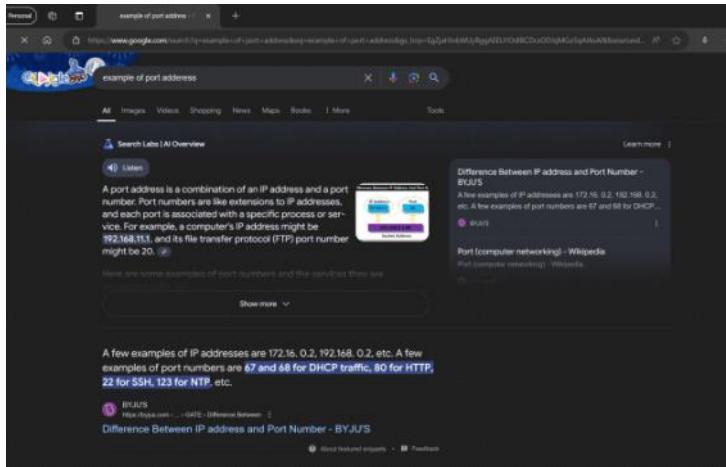
- > the length of IP address is:
 - (i) IPv4 is 32 bits (2^{32} unique no. of addresses we can assign)
 - (ii) IPv6 is 128 bits



[example of IPv4 address and IPv6 - Google Search](#)

3. Port address:

- > the length of port addressing is 16 bits
- > a port address is a combination of an IP address and a port number



example of port adderess - Google Search

4. Application Specific address:

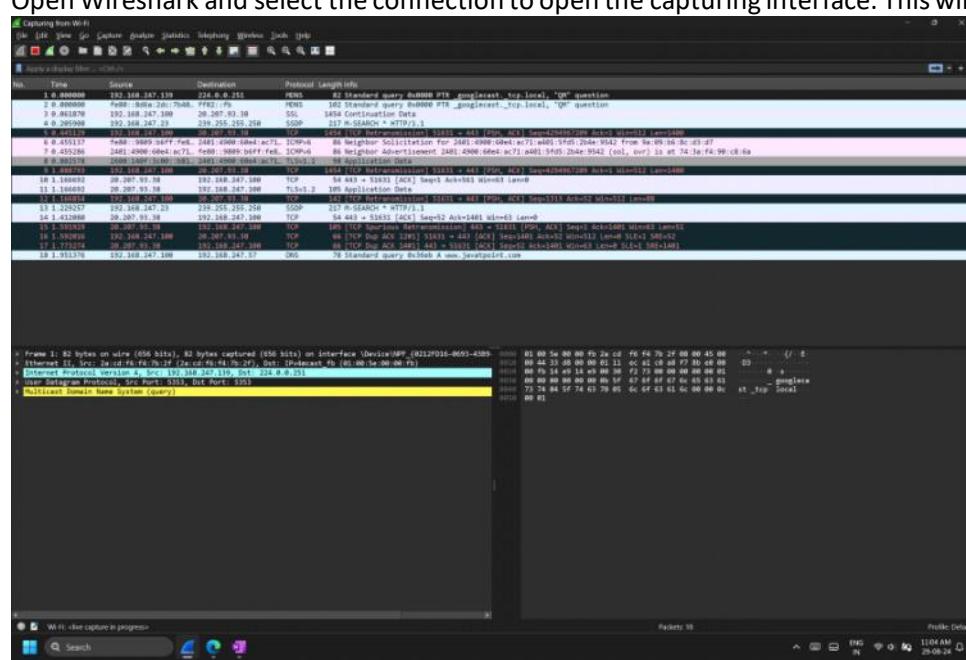
Ex:

mail-id : @cbit.org.in

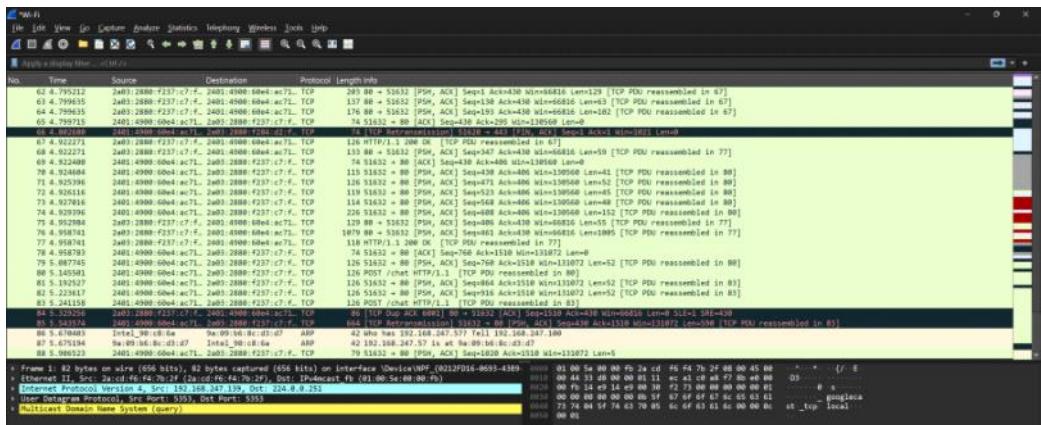
AIM: To use wireshark packets sniffer and cature TCP, UDP, IP, ARP, ICMP, Telnet, FTP packets

Procedure:

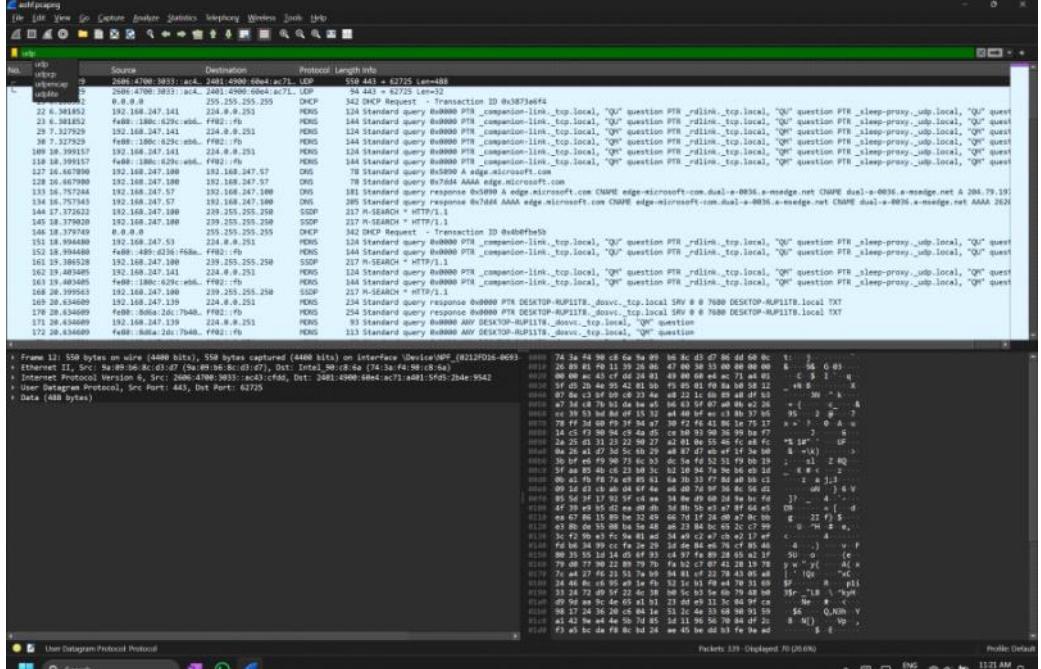
1. Open Wireshark and select the connection to open the capturing interface. This will start capturing automatically.



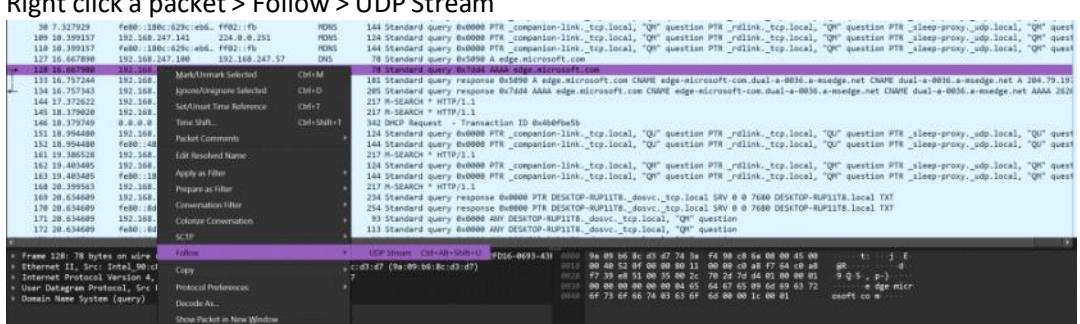
2. Press Ctrl + E or click on the Stop button to stop capturing



3. Place a filter in the "Apply a display filter"

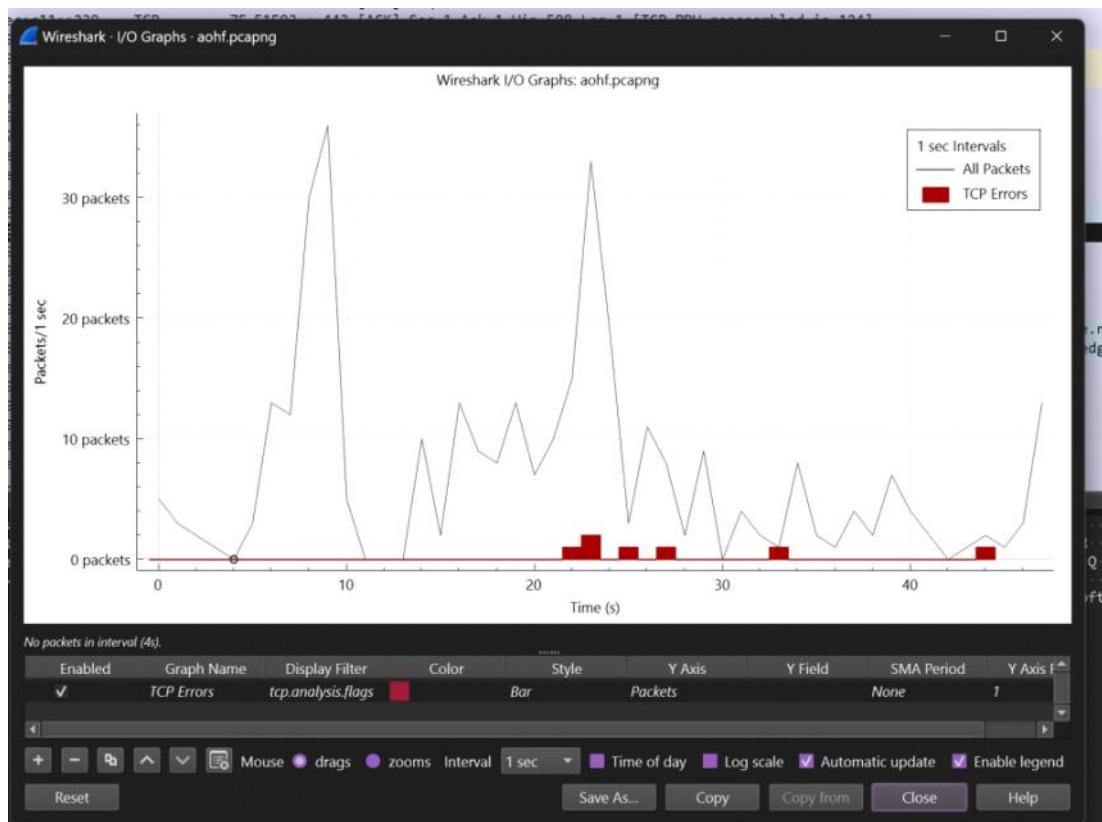
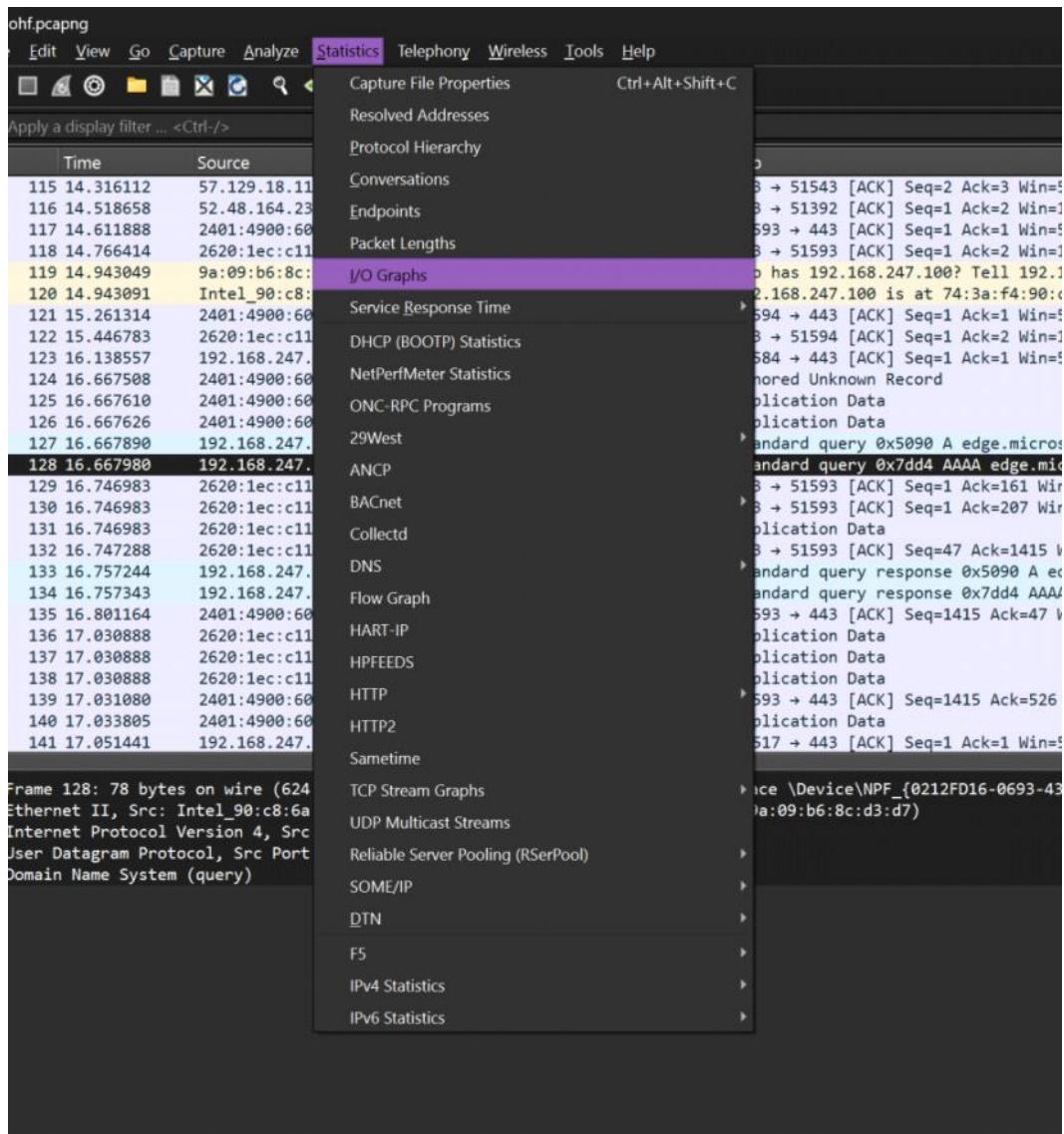


4. Right click a packet > Follow > UDP Stream



5. Toolbar > Statistics > IOGraph to see statistical graph





6. Use **Ctrl + S** to save the file