**Lab Practical #08:**

Study Packet capture and header analysis by Wireshark (TCP, UDP, IP).

**Practical Assignment #08:**

1. **Explain usage of Wireshark tool.**

Wireshark is a software tool used to monitor the network traffic through a network interface. It is the most widely used network monitoring tool today. Wireshark is loved equally by system administrators, network engineers, network enthusiasts, network security professionals and black hat hackers.

**There are many reasons why Wireshark is so popular :**

1. It has a great GUI as well as a conventional CLI(T Shark).
2. It offers network monitoring on almost all types of network standards (ethernet, wlan, Bluetooth etc)
3. It is open-source with a large community of backers and developers.
4. All the necessary components for monitoring, analyzing and documenting the network traffic are present. It is free to use.
5. **Packet capture and header analysis by Wireshark (TCP, UDP, IP).**

**TCP**

A screenshot of a computer

Description automatically generated

**UDP**

**A screenshot of a computer

Description automatically generated**

**IP**

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