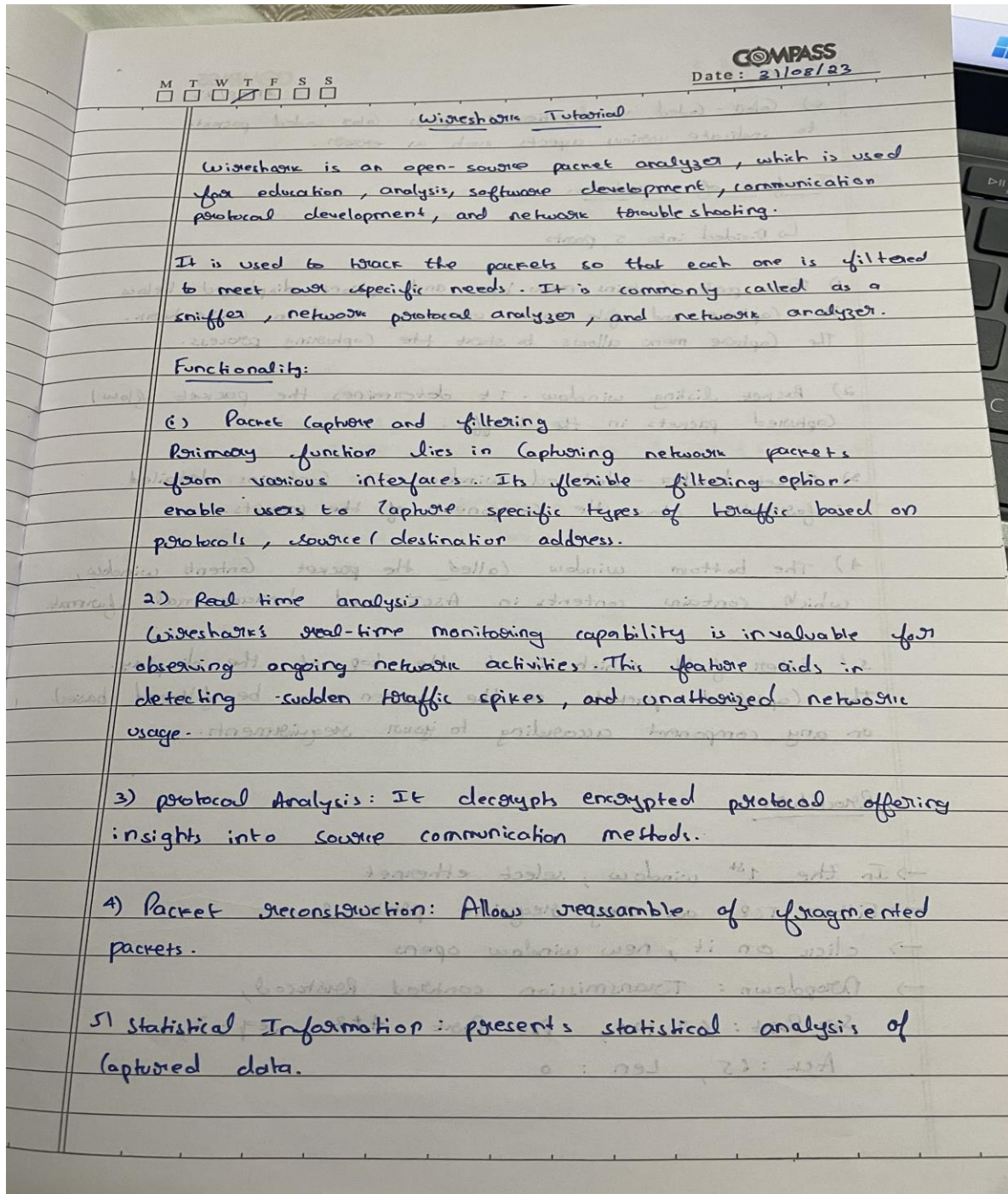


## LAB PROGRAM – 17

### Q) Tool Exploration –Wireshark

#### Procedure :



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c) Color-coded visualization: employs color-coded packets to indicate various aspects such as error.

### Interface of Wireshark

↳ Divided into 5 parts

1) First part contains menu bar and options displayed below it. Capture and file menu commonly used in Wireshark. The capture menu allows to start the capturing process.

2) Packet listing window. It determines the packet flow (captured packets in the traffic).

3) Packet header - detailed window. It contains detailed information about the components of the packets.

4) The bottom window called the packet contents window, which contains contents in ASCII and hexadecimal format.

5) Filter field which is at the top of the display.

The captured packets on the screen can be filtered based on any component according to your requirements.

### Procedure:

→ In the 1<sup>st</sup> window, select ethernet

→ Filter TCP or any requisite protocol

→ click on it, new window opens

→ Dropdown: Transmission control Protocol,

Src Port: 62148, Dst Port: 443, Seq: 2,

Ack: 55, Len: 0



- This is available in the prev window in the left split of screen.
- clicking on dropdown of it, clicking on any of them highlights its counterpart in right split side of screen.
- In cmd, type > ipconfig

### RESULT:

windows IP configuration

Ethernet adapter Ethernet

connection-specific DNS suffix :

Link-Local IPv6 Address .... fe80:: be78: f609; e4a5: e3a91b

IPv4 Address .... 10.129.2.83

Subnet Mask .... 255.255.0.0

Default Gateway .... 10.127.0.11