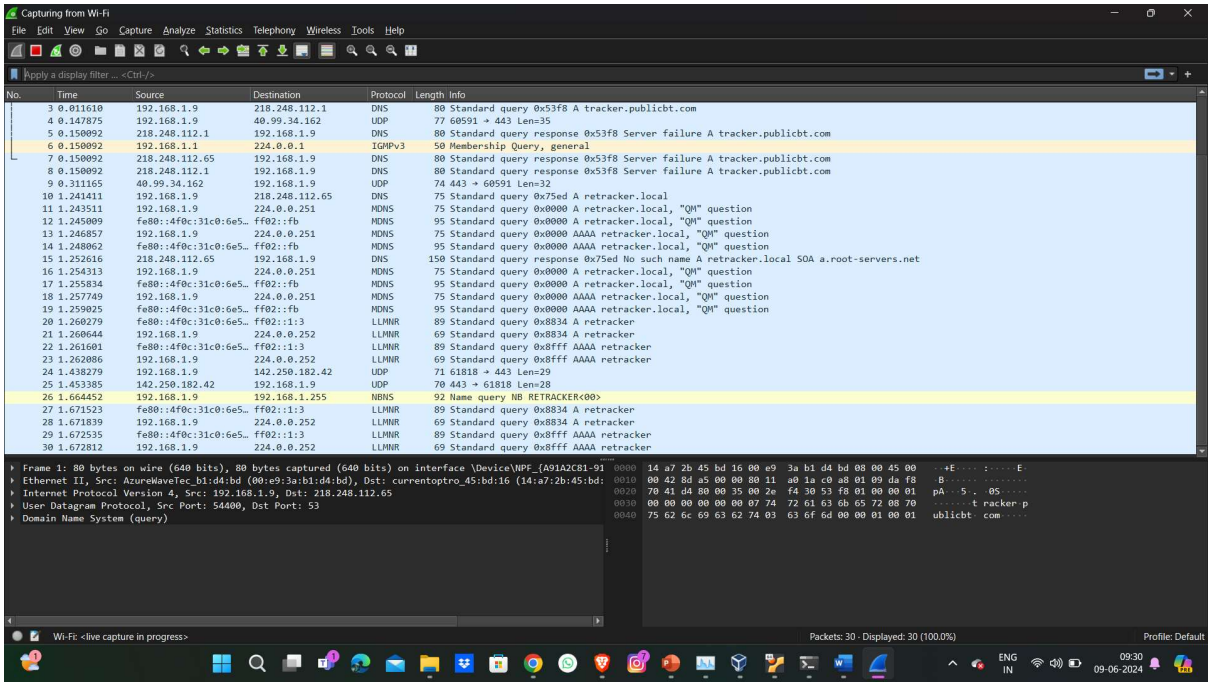
Assignment -2 (wireshark) solutions:

1) Install Wireshark, take capture on WiFi interface

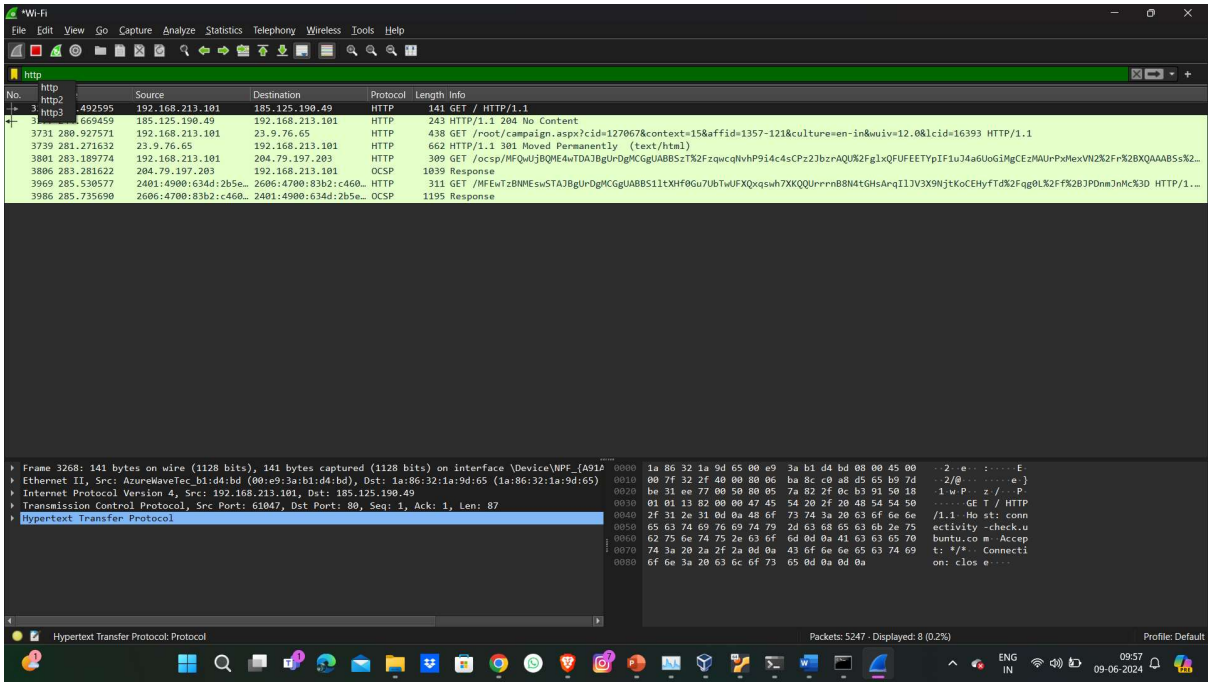
Capture on wifi interface.



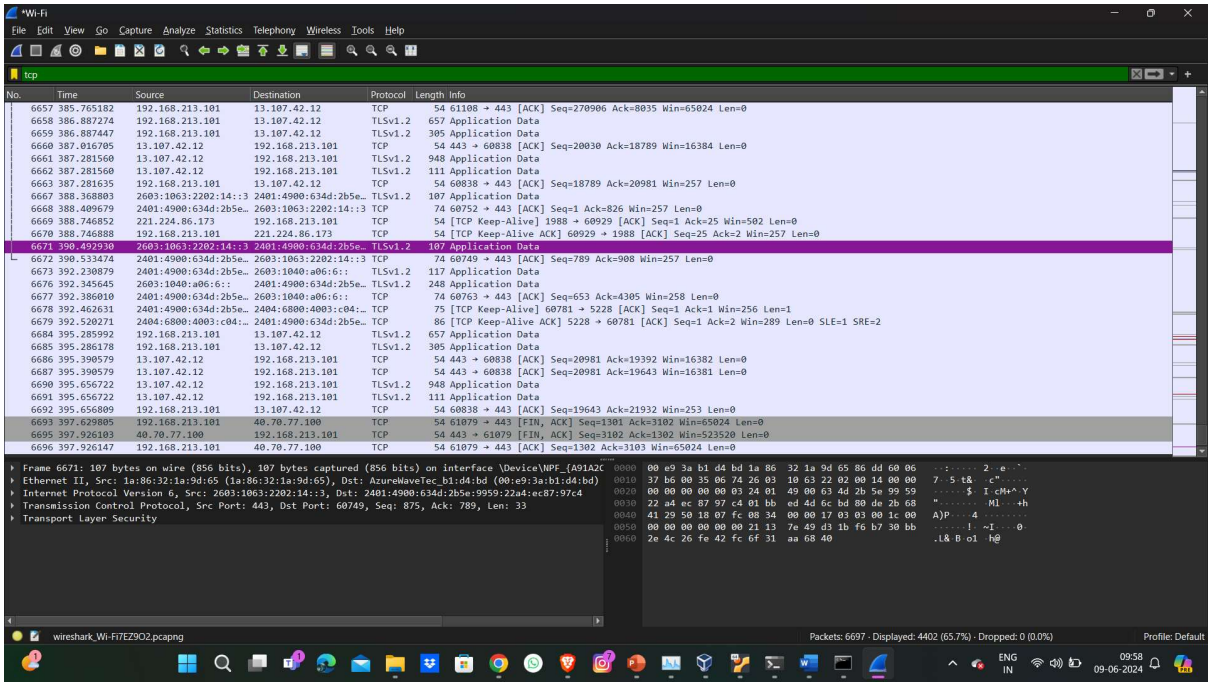
1. Identify the beacon frame using filter.

2. Apply filters to view specific packet.

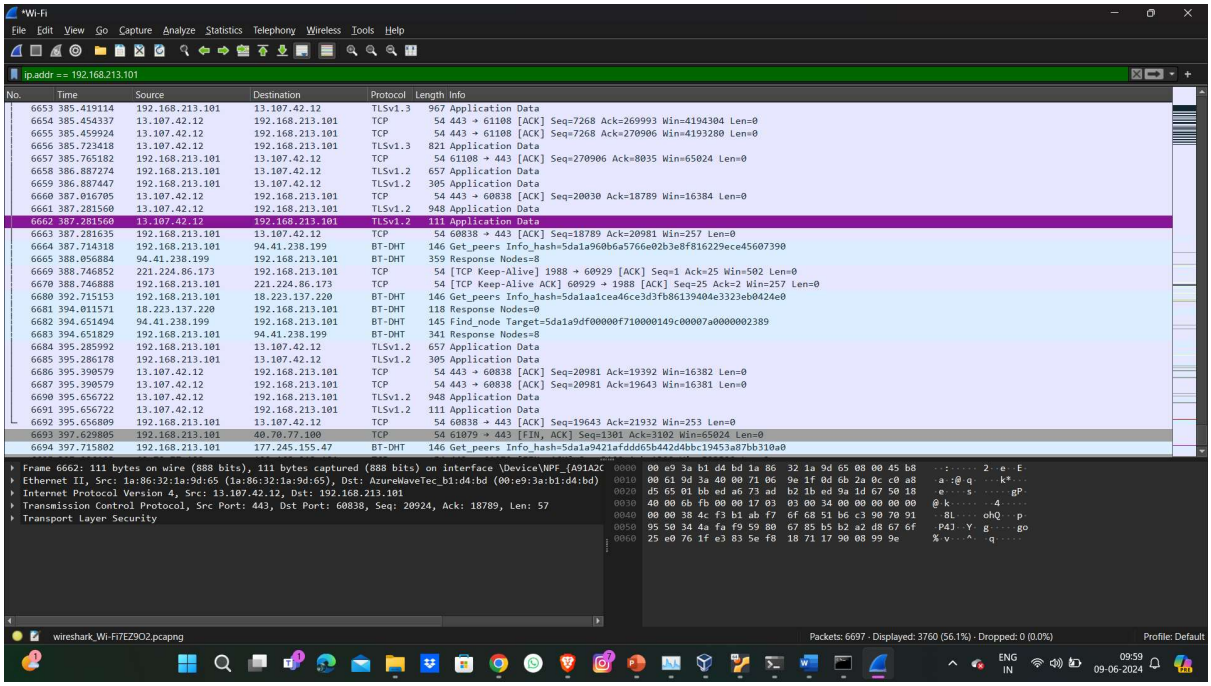
HTTP PACKETS



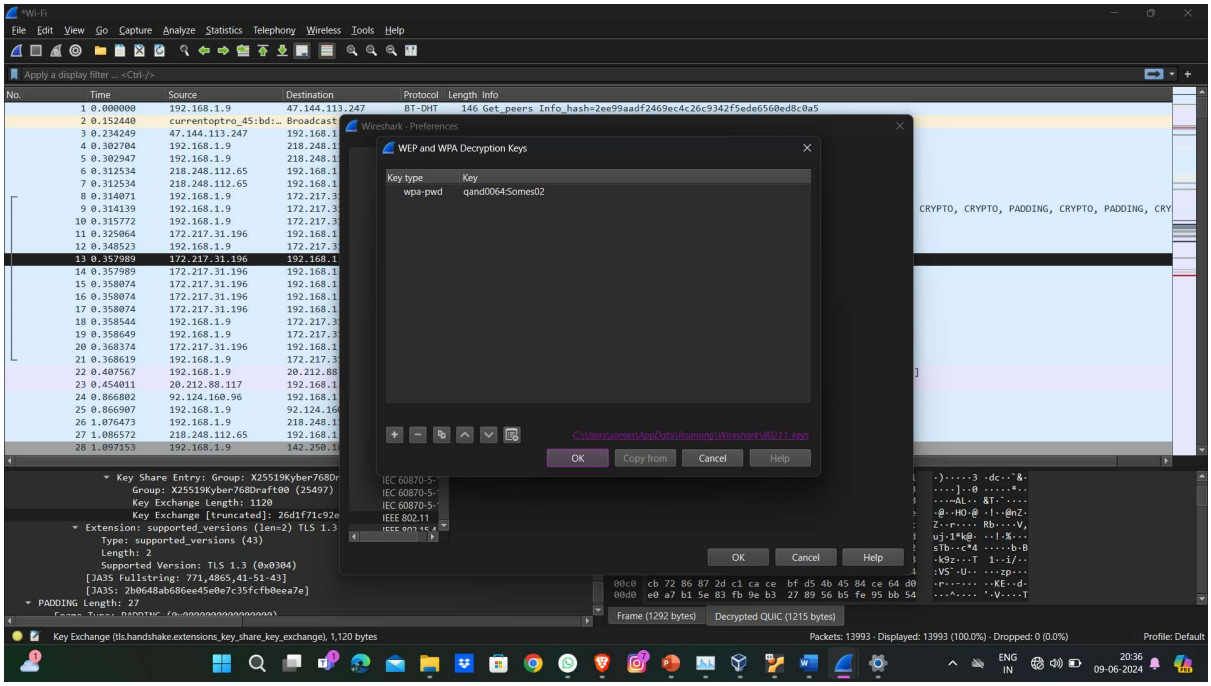
TCP PACKETS

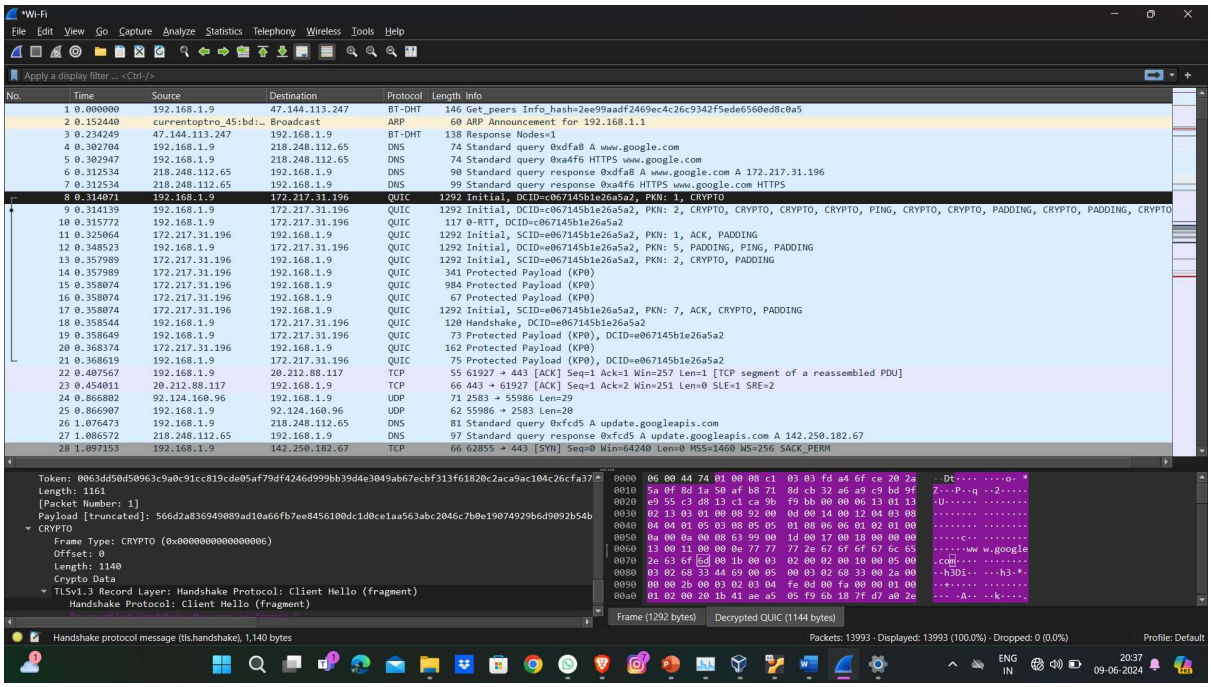


Packets specifically from or to the ip address “192.168.213.101”



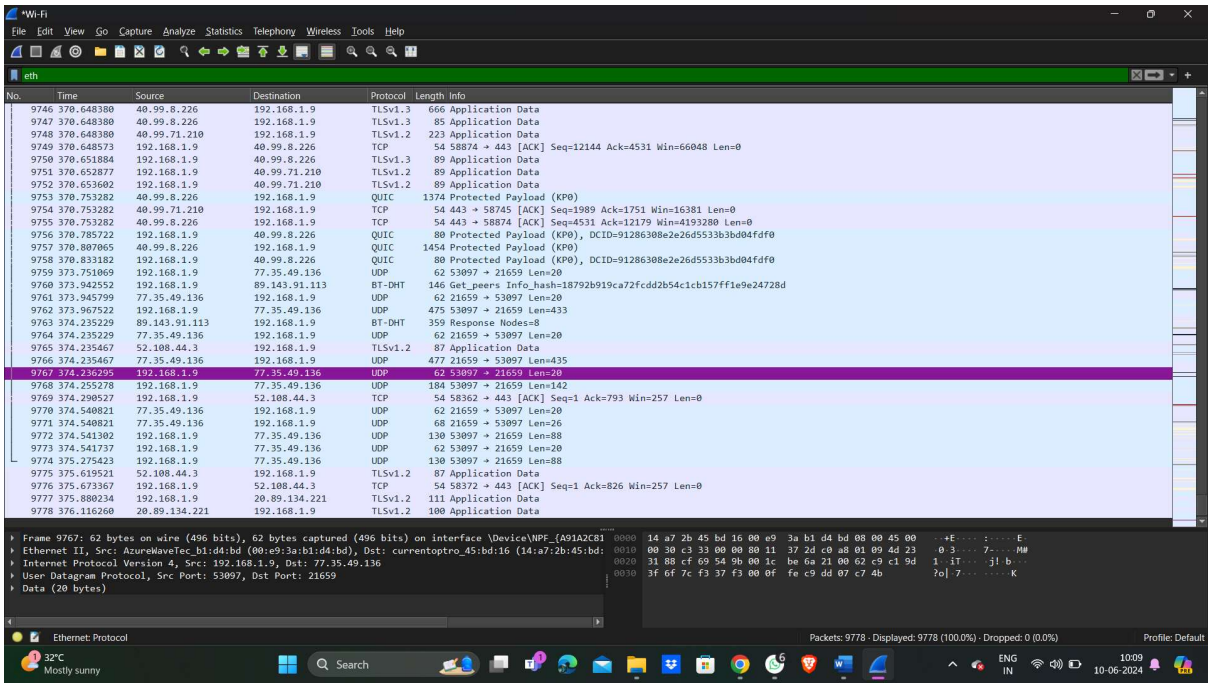
3. Decrypt the wireshark pcap using passphrase, to view the encrytped packets.





5. Point out ethernet and 802.11 frames.

Ethernet frames



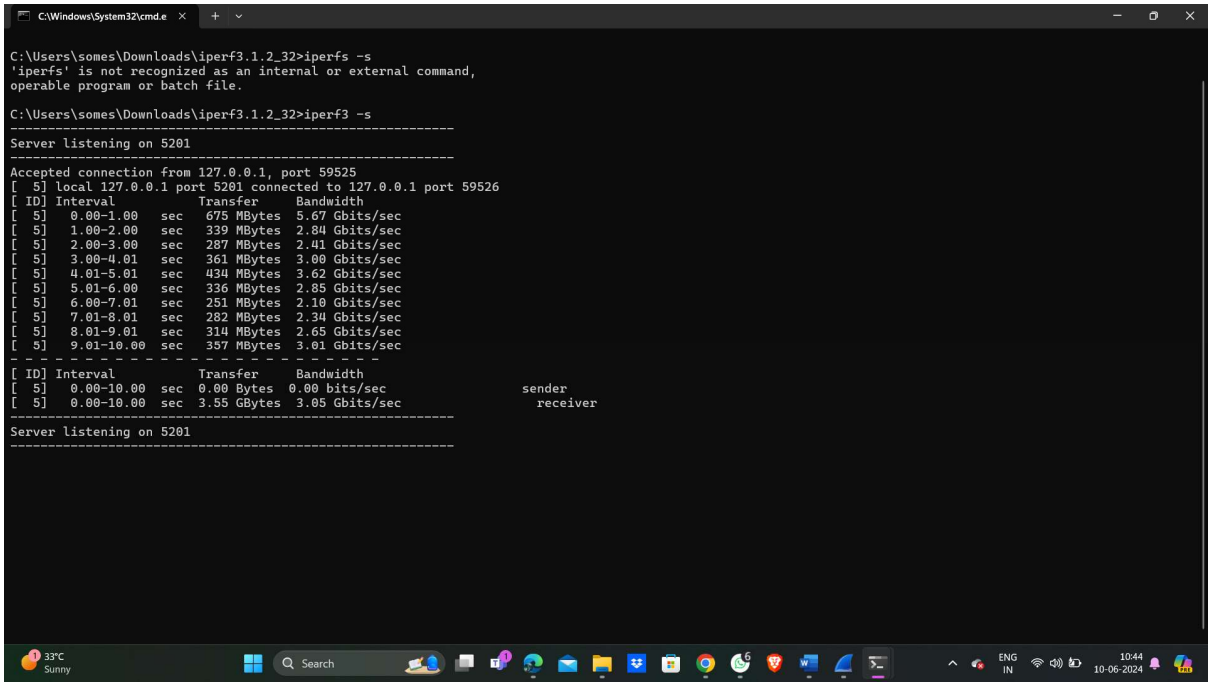
2) Install Iperf on client and server device

1. Run TCP traffic

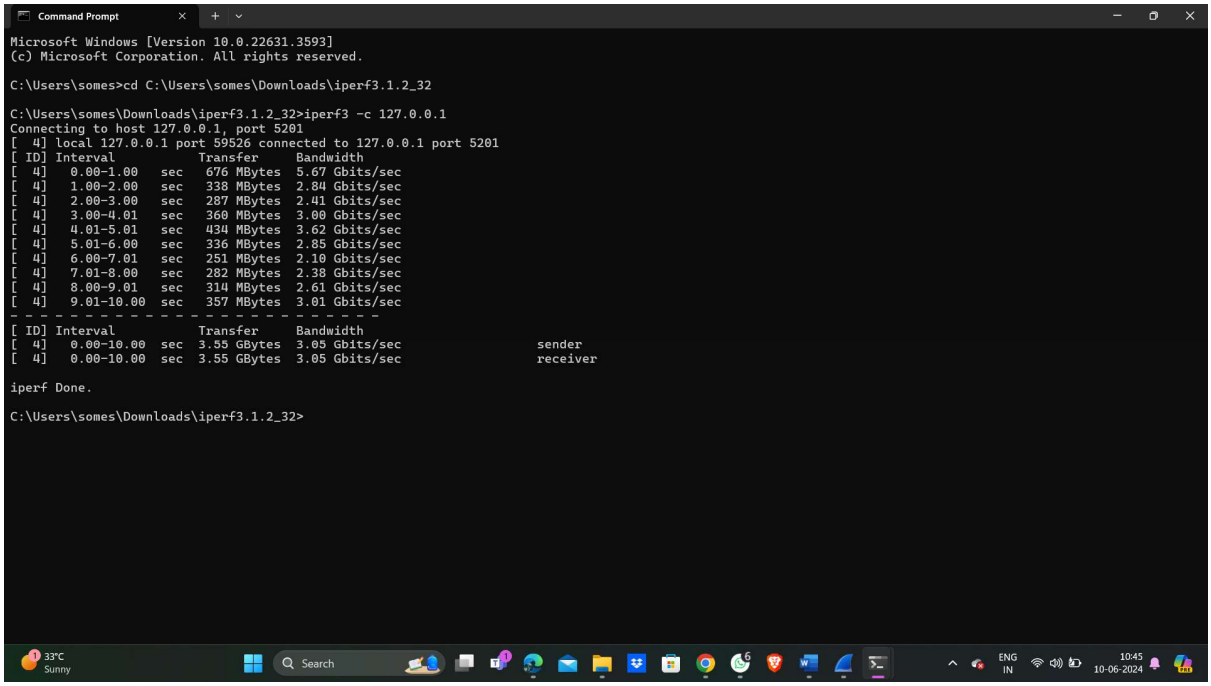
2. Run UDP traffic

Check for the bandwidth and drops reported in the results.

TCP traffic - server

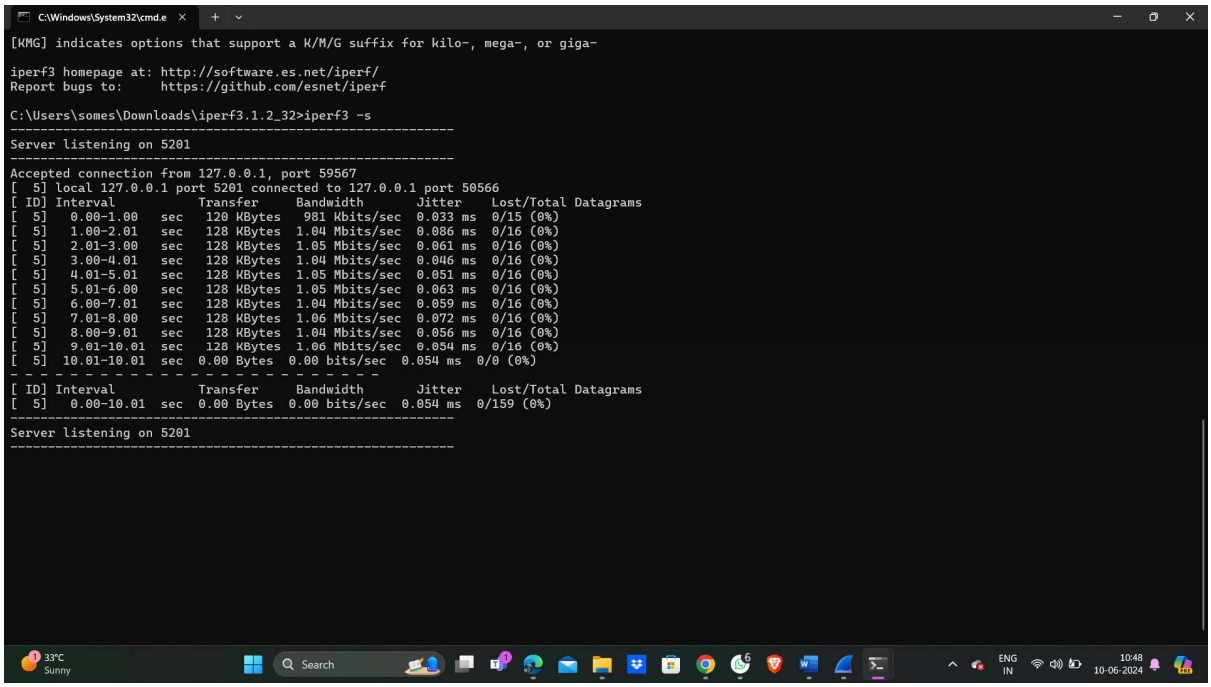


TCP traffic – client.



UDP traffic

UDP traffic server



UDP traffic client