

Computer Networks Laboratory

UE23CS252B

4th Semester, Academic Year 2025

Date:06/04/2025

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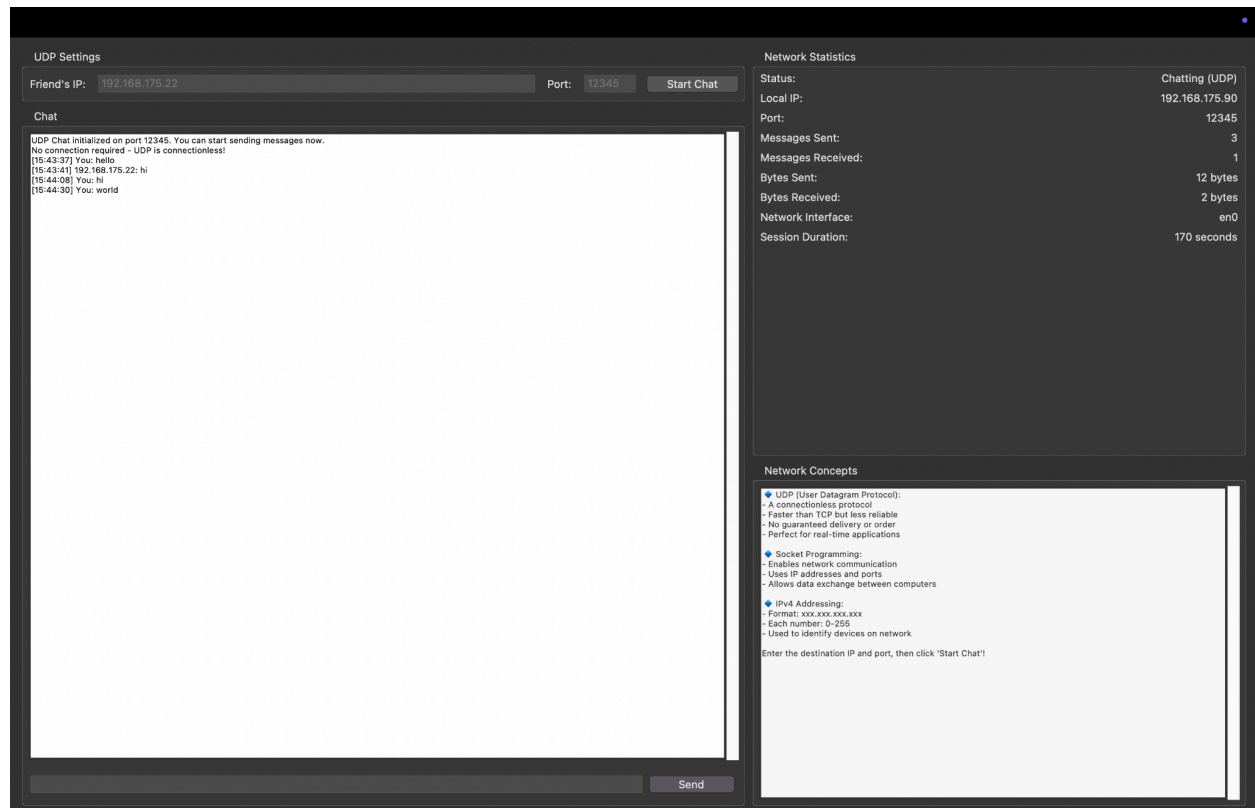
Lab# ____3b____ Task Number: ____1____

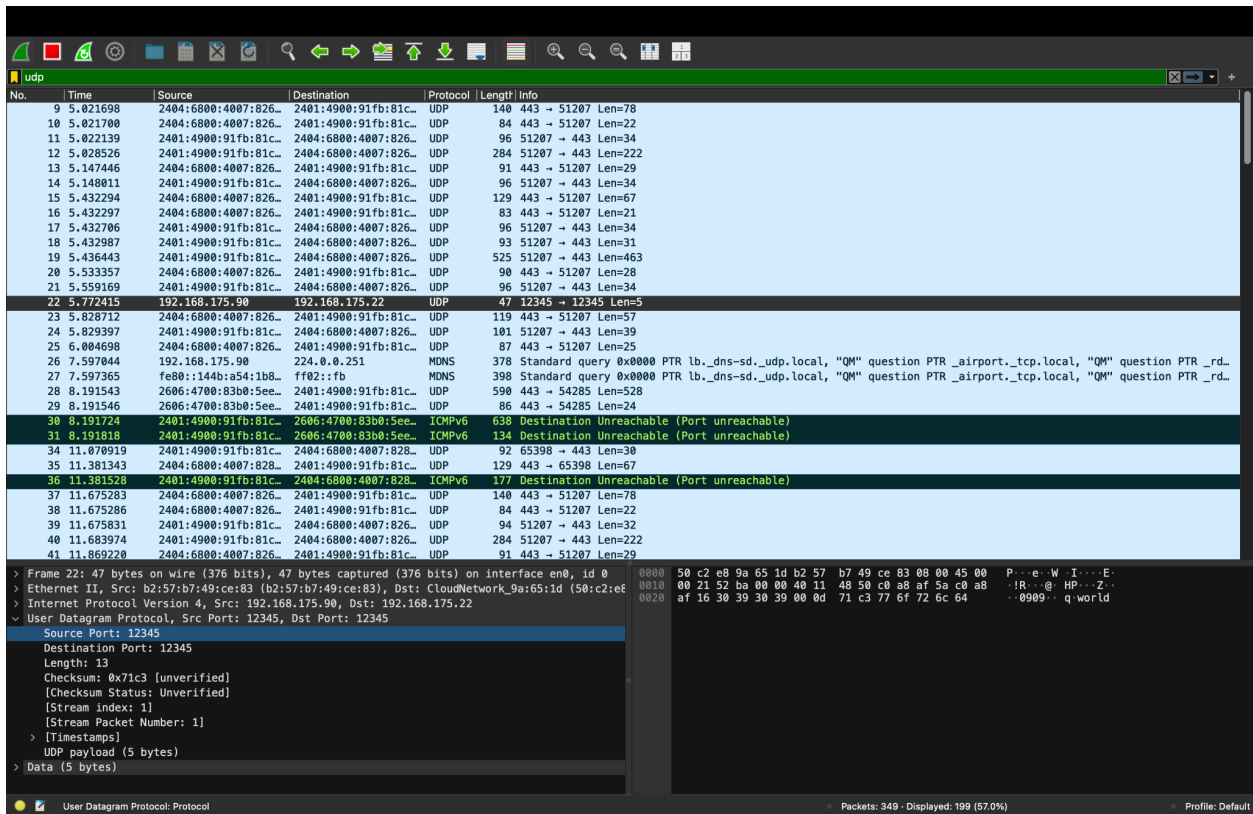
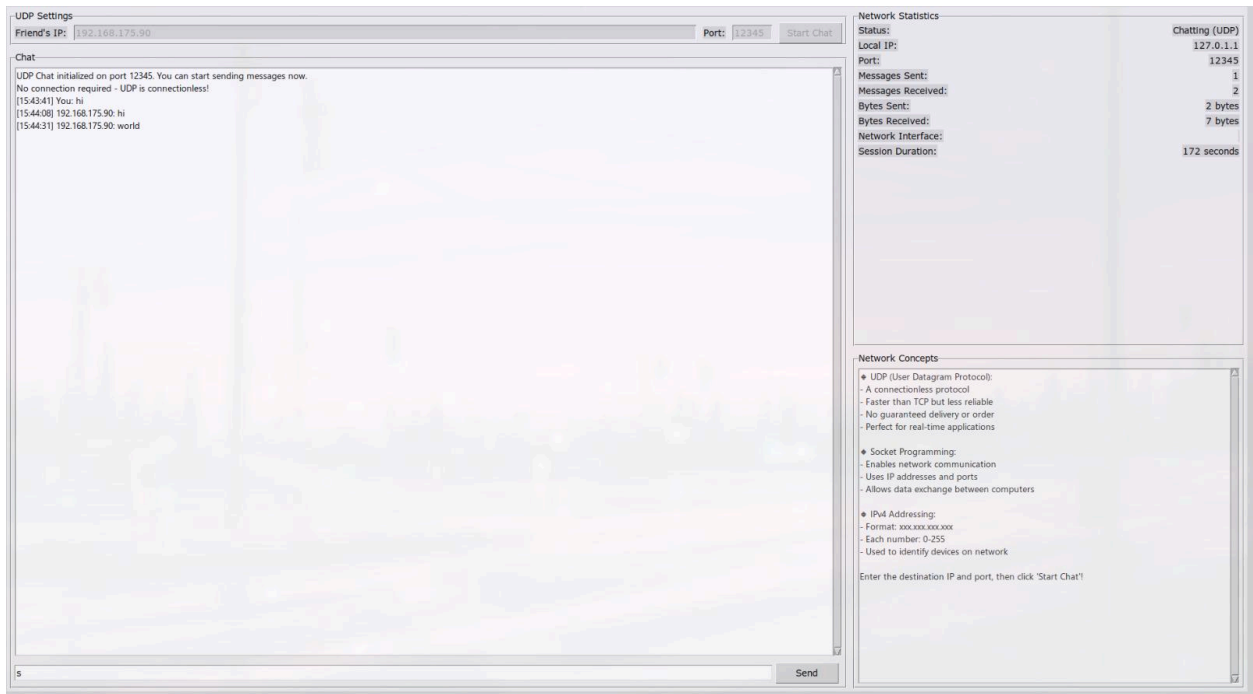
TITLE: Exploring UDP with DNS and Sockets using Wireshark

Experiment 3.2: Exploring UDP with Sockets - Wireshark

Packet Analysis:

Use Wireshark to capture UDP packets while using the chat tool. Identify the source and destination IP addresses and ports. Take a screenshot of your findings and write a short explanation of how UDP packets are transmitted.





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> Frame 22: 47 bytes on wire (376 bits), 47 bytes captured (376 bits) on interface en0, id 0
> Ethernet II, Src: b2:57:b7:49:ce:83 (b2:57:b7:49:ce:83), Dst: CloudNetwork_9a:65:1d (50:c2:e8:00:00:00)
> Internet Protocol Version 4, Src: 192.168.175.90, Dst: 192.168.175.22
< User Datagram Protocol, Src Port: 12345, Dst Port: 12345
  Source Port: 12345
  Destination Port: 12345
  Length: 13
  Checksum: 0x71c3 [unverified]
  [Checksum Status: Unverified]
  [Stream index: 1]
  [Stream Packet Number: 1]
  > [Timestamps]
  UDP payload (5 bytes)
> Data (5 bytes)
```

User Datagram Protocol: Protocol

Disclaimer:

- The programs and output submitted are duly written, verified and executed by me.
- I have not copied from any of my peers nor from external resources such as the internet.
- If found plagiarized, I will abide with the disciplinary action of the University.

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