12th Sep 2025 (Friday) topic of lab: Transport Layer – Sever and Client Communication UNIX along with code server.c and client.c file and to run

L1 folder ke ander Lab2\_Sep19\_Frid\_topicName.sh

**🧠 Concept: TCP Client-Server Model**

* **Server**:
  1. Create socket
  2. Bind to IP/port
  3. Listen for connections
  4. Accept client connection
  5. Receive data from client
  6. Send response back (echo)
  7. Close socket
* **Client**:
  1. Create socket
  2. Connect to server (IP & port)
  3. Send message
  4. Receive reply
  5. Close socket

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How to compile: gcc server.c -o server , gcc client.c -o client

And how to run : ./server

1. **Terminal 1** – Run server:

./server

1. **Terminal 2** – Run client:

./client

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