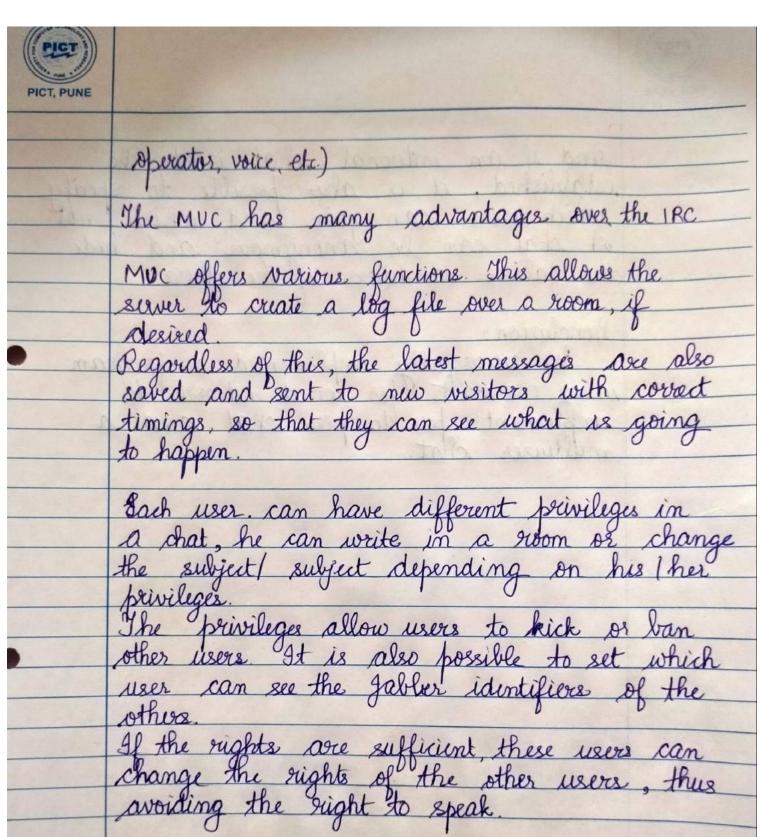


Assignment B4 Title: TCP/UDP sockets (P2P and Multiuser Chat Problem Statement: Write a program using TCP/ODP sockets for wired network to implement. a Peur to peu chat Multiuser chat Demonstrate the packets captured traces using Wireshark Packet Analyzer Tool. Theory: A network sorket is an internal endpoint for sending or receiving data at a single mode in a computer network. It is a representation of this endpoint in networks software (protocol stack), such as entry in a table (listing communication protocol, destination, status etc.) and is a form of system The principle of communication can be categorized into two client-serves and peur to peur communication In client-server environment those is a dedicated server while the rest of the nodes are ading as modes. 2020/11/25 22:16



In peer to peer communication, a mode depending whother it is a request or provider service at that specific time. Table Password IP addross. Post Per 4 Peer 2 Index table of peurs. Index table of Peer 4 Usurname Password Usuname, Password IP addresses, Port 1P address Port numberfor Peur 1 and number for Peurs. Pele 4 Peer 2 and Peer3. With Multi-user bhat (short MOC, German multiuser chat) and group chat are at XMPP, the chat nooms designed, where multiple users can converse simultaneously Similar to the Internet Relay Chat (IRC), a chat room can have different statuses (visible, hidden, password protected letc.) and the participant, Visitor or moderator (similar to the 180 of 1



In addition, the user can be restricted in a chat A chat is also available without the user being present and can also be hidden or protected with a passioned

NE And if an internal chat is to be established, it is also possible to specifi which users can join and what chat can be anonymous an bonclusion: We successfully implemented a program using TCP sockets for wired notwork to implement peer to peer chat and