Assignment By

Title: TCP/UDP Sockets (P2P and Multiuser Chat)

Problem Statement:

Write a program using TCP USP sockets for wired naturork to implement.

a) Peer to peer chat

b) Multiuser chat.

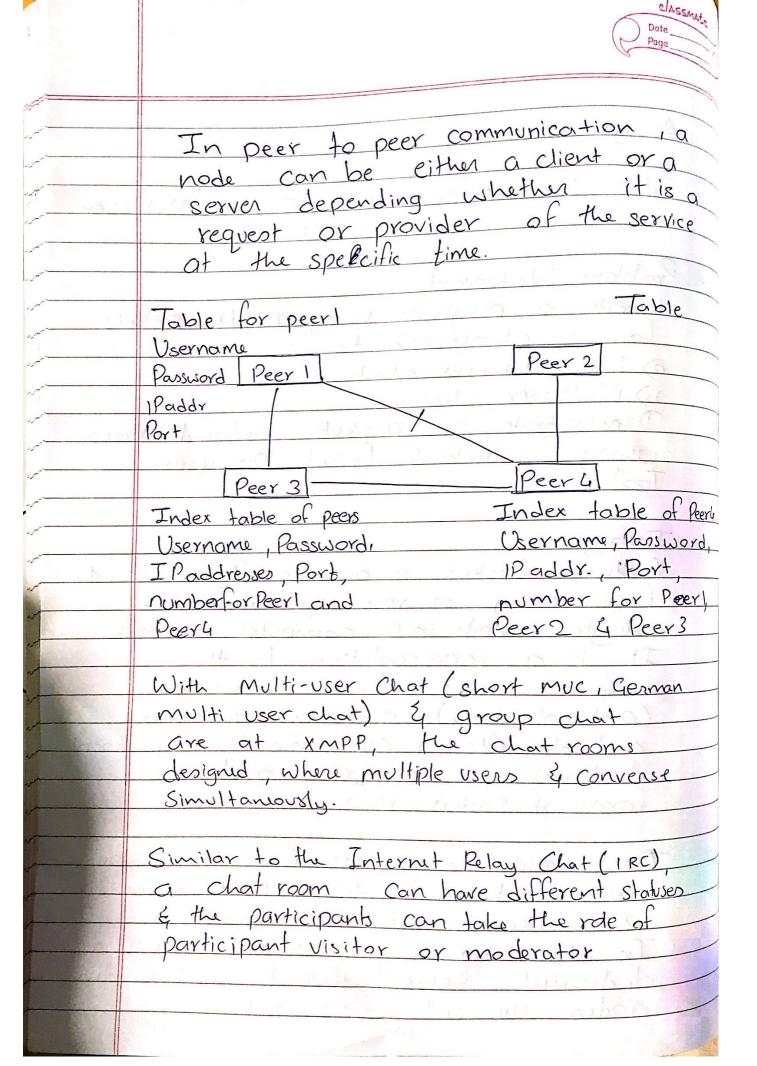
Demonstrate the packets captured traces using wireshark Packet Analyzer Tool.

· Theory:

Network Socket: is an internal endpoint for sending or receiving data at a single mode in a computer network. It is a representation to this endpoint in networks software (protocol stack) such as entry in a table (listing communication protocol, deplination, status, etc) and is a form of system resources.

The principal of communication can be categorized into two, client-server and peer to peer communication.

In client-server environment three is a dedicated Server while the rest of the nodes are acting as nodes



The muc has many advantages over the IRC
more offers various functions. This allows
the server to create a log file over a
room if desired.
Regardless of this the latest
mensages are also saved & sent to the
new visitors with correct timings so
that they can see what is going on
to happen.
- In this is the COMMENT PROPERTY OF
Each user can have different privileges in
a chat he can write in a room or
change the subject / subject depending
a his han priviless.
The privileges allow users to kick or
Jan other Users. It is also possible.
set which user can see the Jabber
indentifiers of the others.
If the rights are sufficient these users can change the rights of the other users, thus avoiding the right to speak.
can change the rights of the other
users, thus avoding the right to speak.
In addition the user can be restricted in
a chat A chat is also avallable
without the user being present &
can also be present & can also be hidden or protected with a password.
hidden or protected with a password.

