Date
Assignment-B9
 Title 1. Pero to Prem & Multiuser about.
Problem statement: Write a program using UDP/ TCP sockets for wixed network to implem- ent @ peer to peer that
Demonstrate the packets captured traces using wirestark packet analyzers tool for pear to pear made
at beens-to-beens of welther that
outcome it steedonts will be able to implement on peers & mouthwer that & conderstand its theory.
5/w ft/w :- python, IDE, coireshask / ginux/windows Os, eclipse
Theory:
paint for sending recieving dots at a single node in a computer network

concurrently. It is representation of a endpoint in networking software conductor to networking software control stact), such as entry in table is a form of syntix resource.

Similarly, the term 'prot' is used for external endpoints at a nocle, and the term 'sorbot' is also used for an internal end-point of local inter-process communication (IPC).

Peer-to-peer chat 1-

The principle of communication can gene -rally be antogorized into two, client server & peer-to-peer. In client-server environ ment there as a declibrated seaver, while crest of other modes are acting as clients throughout the certale ammunication - where by, peer to peer mode, a rode can either be a client or a server depending curether it is a requestor or provide of the service cet that specific time - Examples of client servers technology: coebacces, network time & windows login, This however couses an idea of single point of failure, which may onuse a devasted damage in once of breekings.

Freder Jable at Index table of peers 1 presume , (Poers) Poers possward if add, port. readderss , port vo for 14 no for P3+P4 (Pars) (Poorte) under toble of peers Judex table of Post 3 presword. Lagerrany, present, JP address, Spaddress, post vo. post no for PI, P., P. Pero PIEPS. Multichat L lipth multiuser that, that raons are designed, where multiple users can converse simultaneously. - similar to IPC, a chat room have different statuseros (visible, hidden, passwood; protected) of note of participants. - However MUC has many advantages over IRC. This is howgo anline in MUC with ets globatly unique Tabbe ?dentifier, which cornet be occupied by somebody else. Therefore it doesn't need outsterseme service Couchas Nickson) to uniquely idely usons

Functions! MUC attens wastones functions
this allows the serves to create a lag.
the over a moon, it designed.
In addition, each uses our have different prevelages in a chat, we can write in a room or change the subject alepending on his/her priewleges.

Wroghaste Packet Analyzor fool :

It is a network packet analyter, which will appear he twoost packets 4 tries to display that packet data, as detailed as possible.

Testrage 1-

TIP O/P Expected

specified permit

P-10-P

clientside: Hil server, need help seaves i glad to help

11-

Species

on semissides

Somerside: client; tiserver Hi client! need help Conclusion:

Successfally Implementation a pres-to poem

& multichast program overs a wired naturally

& captured the packets using wireshoot