ASSIGNMENT- 6

AIM : SOCKET PROGRAMMING

PROBLEM STATEMENT: SOCKET PROGRAMMING IN C/C++ FOR TCP CLIENT, TCP SERVER, UDP CLIENT, UDP SERVER.

THEORY:

SOCKETS:

used for IPC.

- Most of the IPC follow client - server

- Server & client exchange messages over N/no through a common socket API.

- looket is basically an interface blw application 8 N/W which is used for communication blue processes.

· TYPES OF SOCKETS:

& essential types of sockets are:

connection - oriented

reliable- delivery

in-order guaranteed

- bidirectional

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UDP

- unreliable delivery - ran send or recteve

· SOCKET PRIMITIVES:

Create a new communication end point

ii BIND: Attach a local address to a socket

dundunce willingness to accept somections five grave singe.

iv. ACCEPT: Block calles until a connection attempt avrives

V. CONNECT?

Actively attempt to establish connection.

vi SEND: Send some data over the connection

VII RECETEVE: Reciesse some data from the connection.

viii CLOSE: Release the connection.

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· SOCKET PROGRAMMING WITH UDP:

CLIENT

SERVER

+ recufron < close

toll it recieves request from clien

Blocking calls

close

· CONCLUSION:

In this assignment, we learnt & implemented sochet programming in c/c++.