EXPERIMENT: 30

CREATING THE APPLICATIONS USING TCP CHAT CLIENT AND CHAT SERVER IN JAVA/C

Aim: To create an application using TCP CHAT CLIENT and CHAT SERVER.

Algorithm:

SERVER:

STEP 1: Start

STEP 2: Declare the variables for the socket

STEP 3: Specify the family, protocol, IP address and port number

STEP 4: Create a socket using socket() function

STEP 5: Bind the IP address and Port number

STEP 6: Listen and accept the client's request for the connection

STEP 7: Read the client's message

STEP 8: Display the client's message

STEP 9: Continue the chat

STEP 10: Terminate the chat

STEP 11: Close the socket

STEP 12: Stop

CLIENT:

STEP 1: Start

STEP 2: Declare the variables for the socket

STEP 3: Specify the family, protocol, IP address and port number

STEP 4: Create a socket using socket() function

STEP 5: Call the connect() function

STEP 6: Read the input message

STEP 7: Send the input message to the server

STEP 8: Display the server's reply
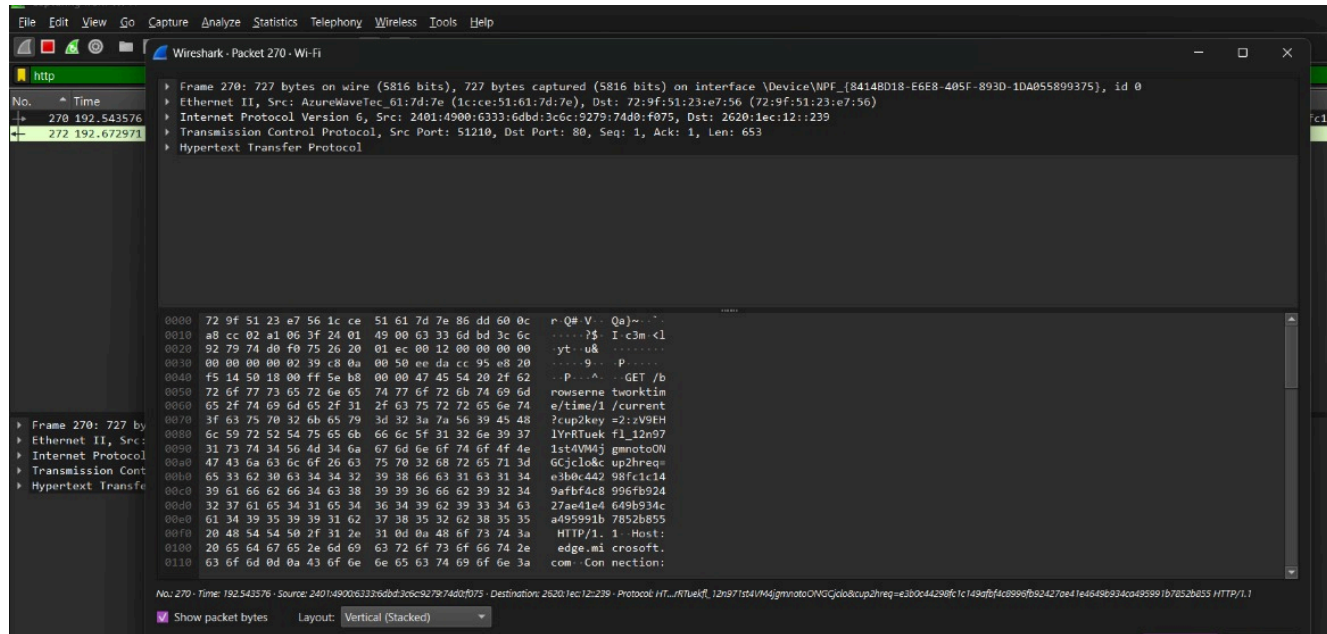
STEP 9: Continue the chat

STEP 10: Terminate

the chat STEP 11:

Close the socket STEP

12: Stop

Output:

Result: Thus the application using TCP CHAT CLIENT AND CHAT SERVER is created successfully.