**ALGORITHM -TCP CHAT**

**The steps involved in establishing a TCP socket on the SERVER side are as follows:**

Step 1: Start

Step 2: Create socket with socket() system call and bind it to IP address and

port number using bind().

Step 3: Listen for connection request from client with the listen () system call.

Step 4: Accept connection request with the accept () system call.

Step 5: Receive string from client using recv()

Step 7: Send the string to client using send()

Step 8: Stop

**The steps involved in establishing a TCP socket on the CLIENT side are as follows:**

Step 1: Start

Step 2: Create socket with socket() system call

Step 3: Send connection request to server using connect().

Step 4: Accept string from user

Step 5: Send string to server using send()

Step 6: Receive the string from server using recv()

Step 7: Print the string on the screen

Step 8: Stop