Client Algorithm:

1. Parse the command line arguments to obtain the port number.
2. Create a socket using the socket() function.
3. Check if the socket creation was successful. If not, display an error message.
4. Initialise the server address structure with the server's IP address and port number.
5. Connect to the server using the connect() function.
6. Write the message to be sent to the server using the write() function.
7. Close the socket.

Server Algorithm:

1. Parse the command line arguments to obtain the port number.
2. Create a socket using the socket() function.
3. Check if the socket creation was successful. If not, display an error message.
4. Initialise the server address structure with the server's IP address and port number.
5. Bind the socket to the server address using the bind() function.
6. Listen for incoming connections using the listen() function.
7. Accept a client connection using the accept() function.
8. Read the incoming message from the client using the read() function.
9. Print the received message.
10. Send a response message to the client using the write() function.
11. Close the connection with the client using the close() function.
12. Close the server socket.