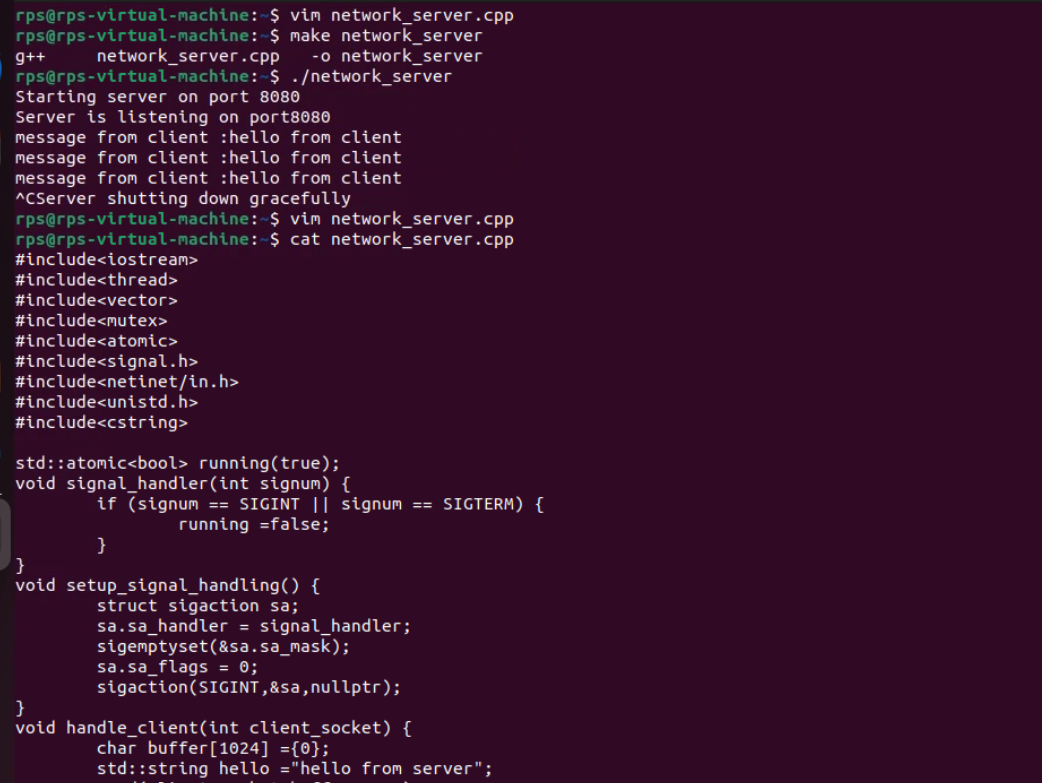
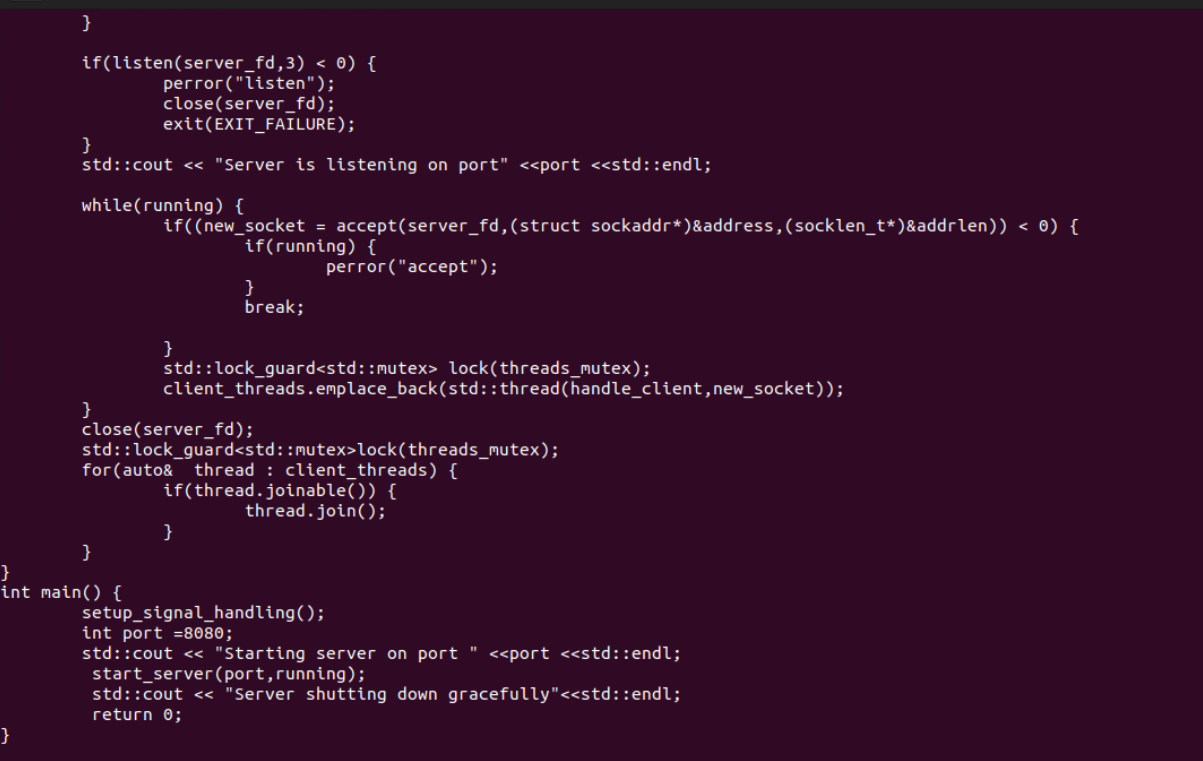
DAY-25:

Design and implement a network service that reliably handles concurrent client connections while ensuring graceful termination in response to external signals (e.g., SIGTERM, SIGINT). The service must maintain data consistency and avoid resource leaks throughout its lifecycle.

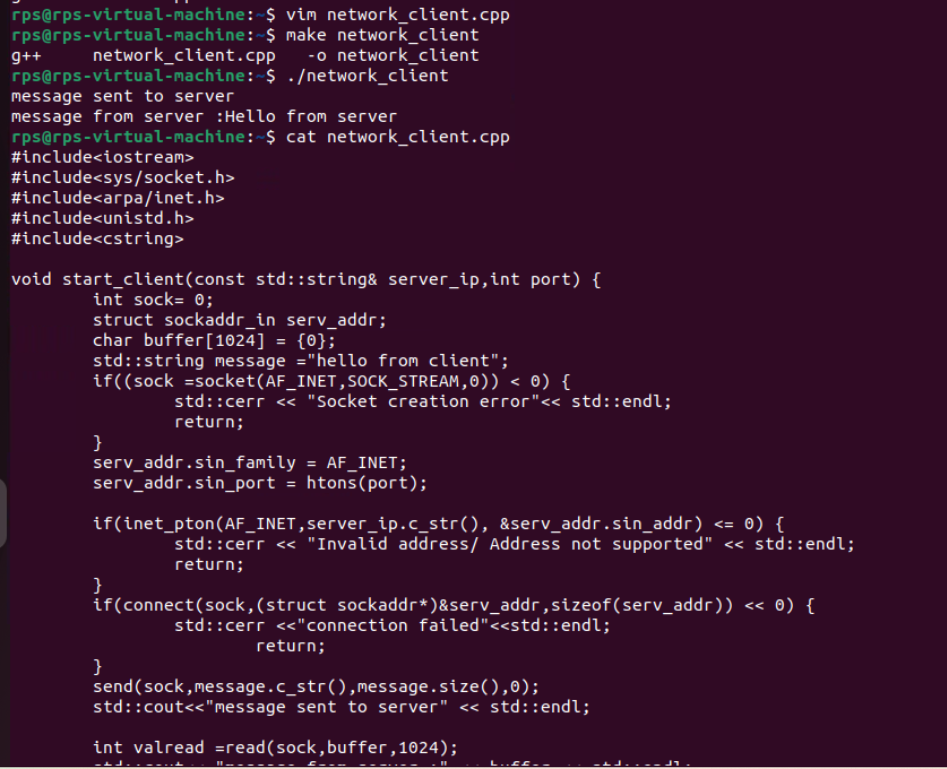
Server:







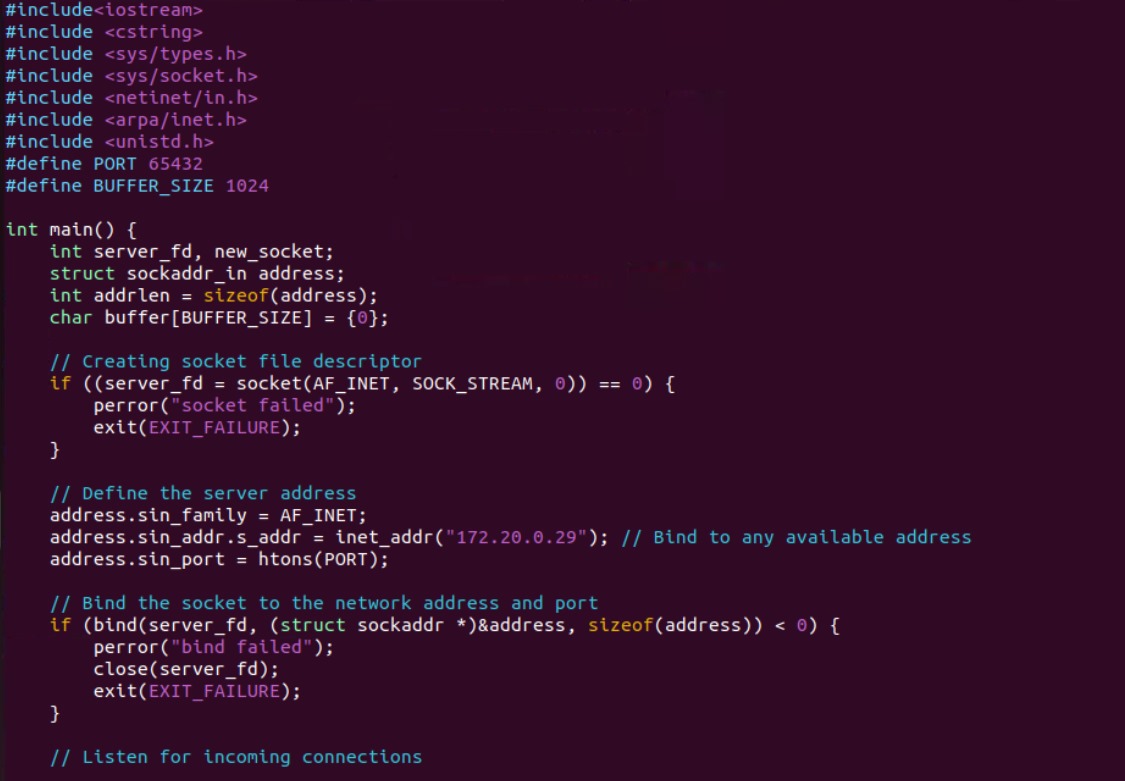
Client:

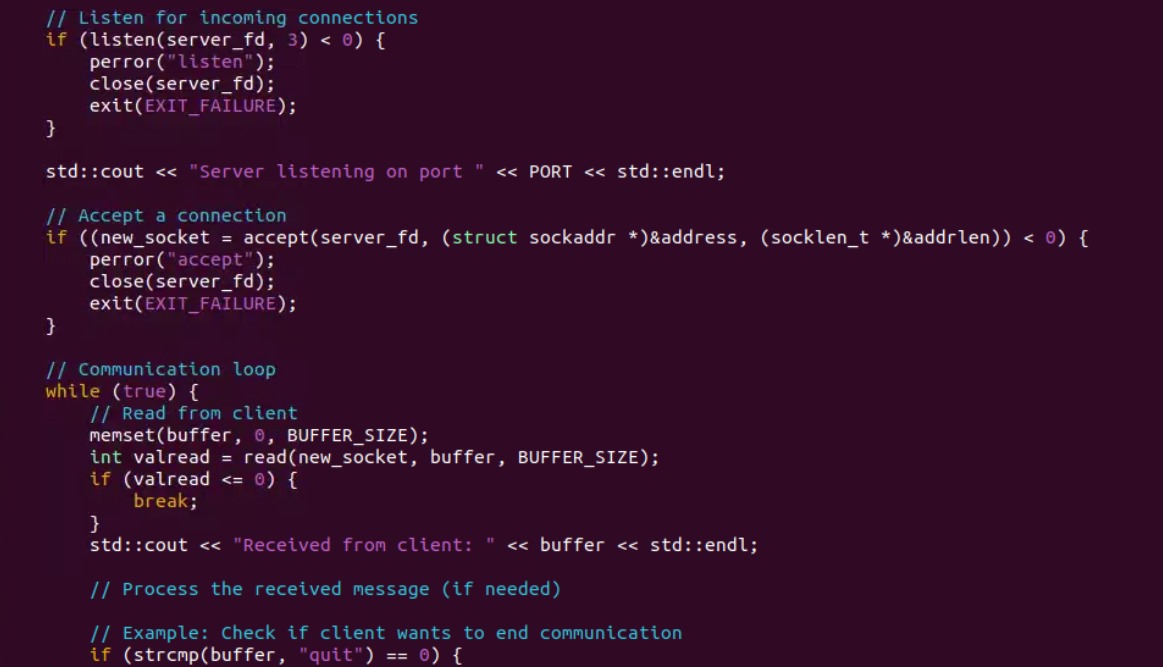


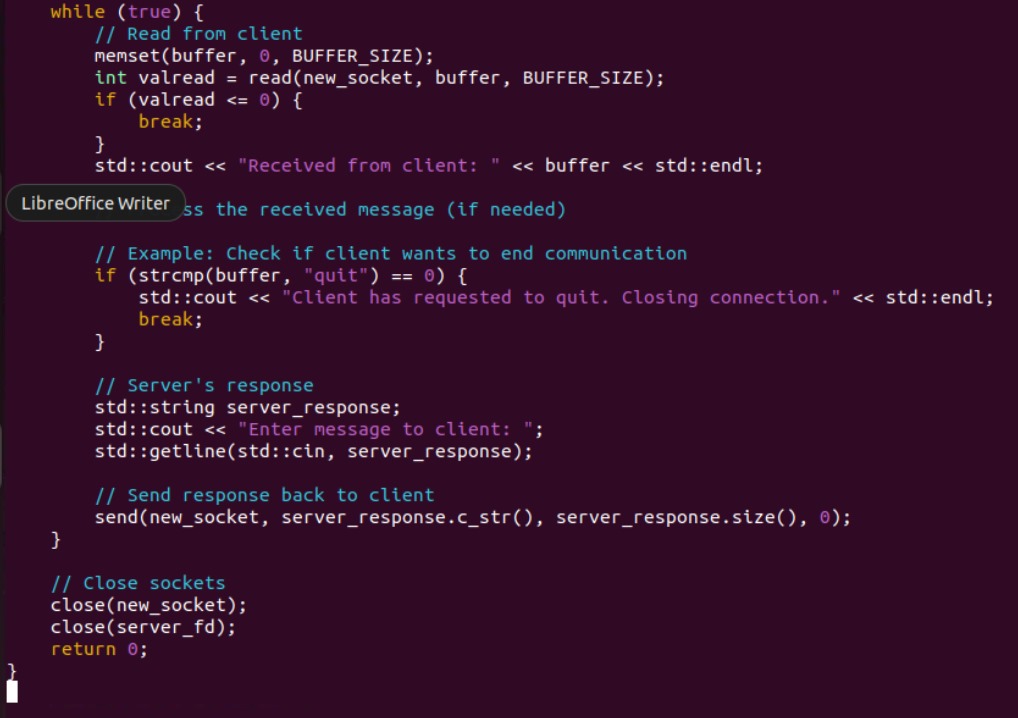


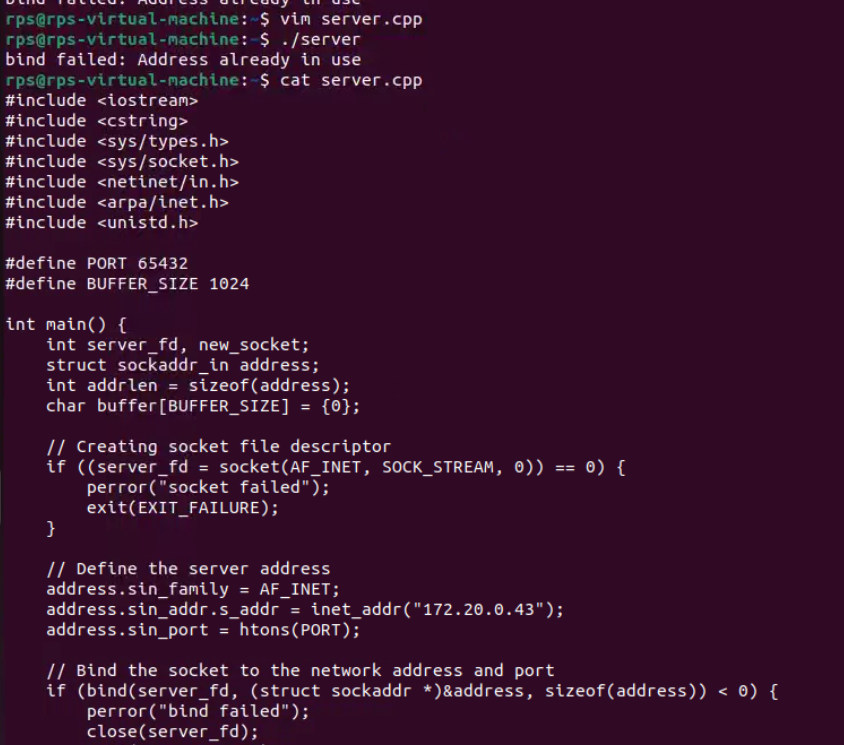
MESSAGE FROM CLIENT TO SERVER:

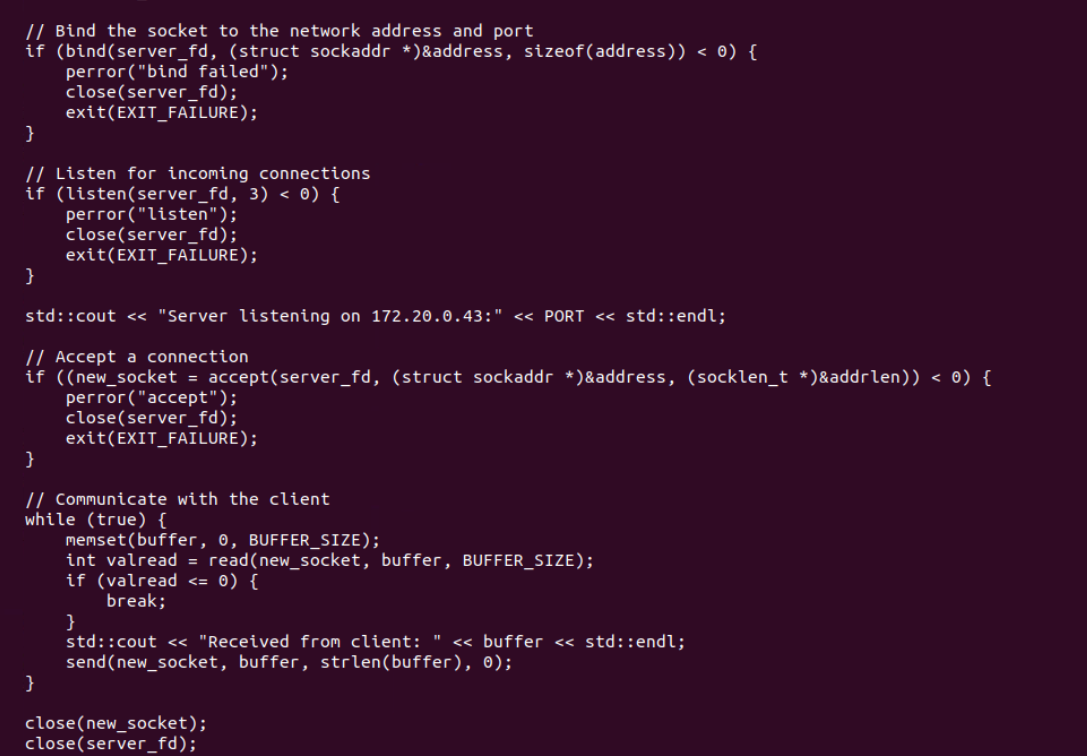
SERVER

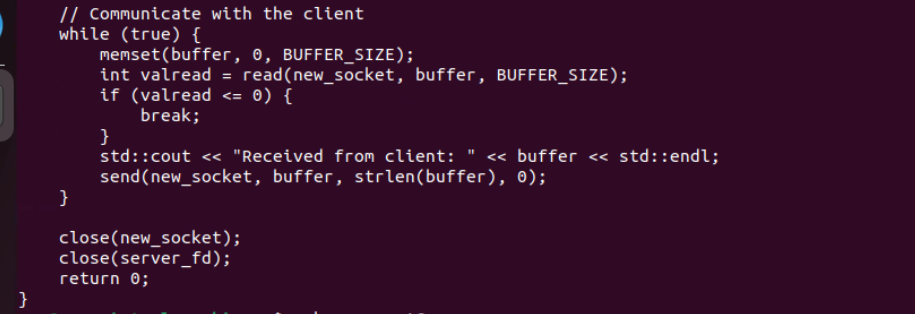




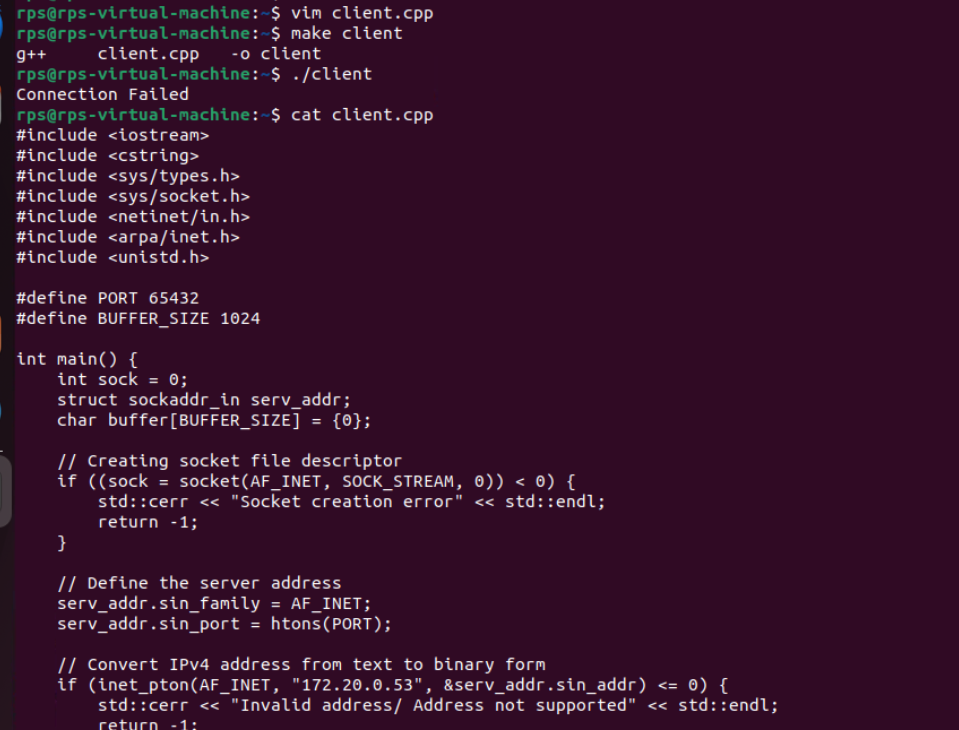


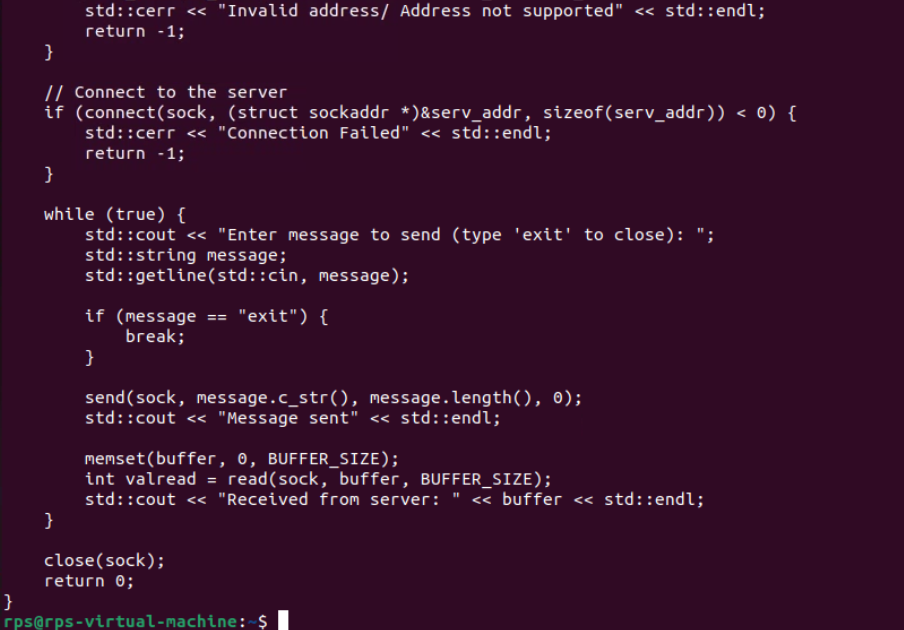






Client:





Output:

CONVERSATION BETWEEN SERVER AND CLIENT”

