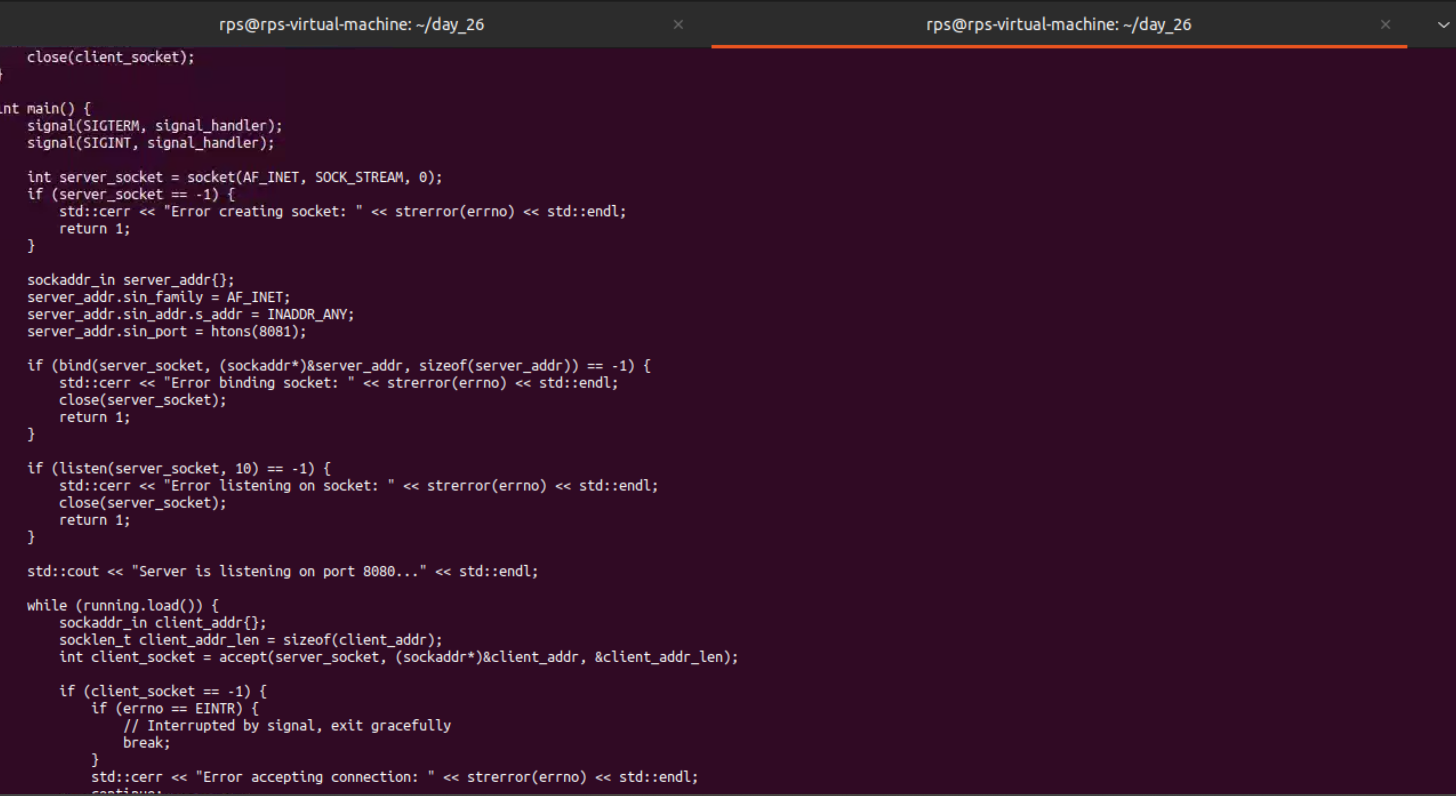
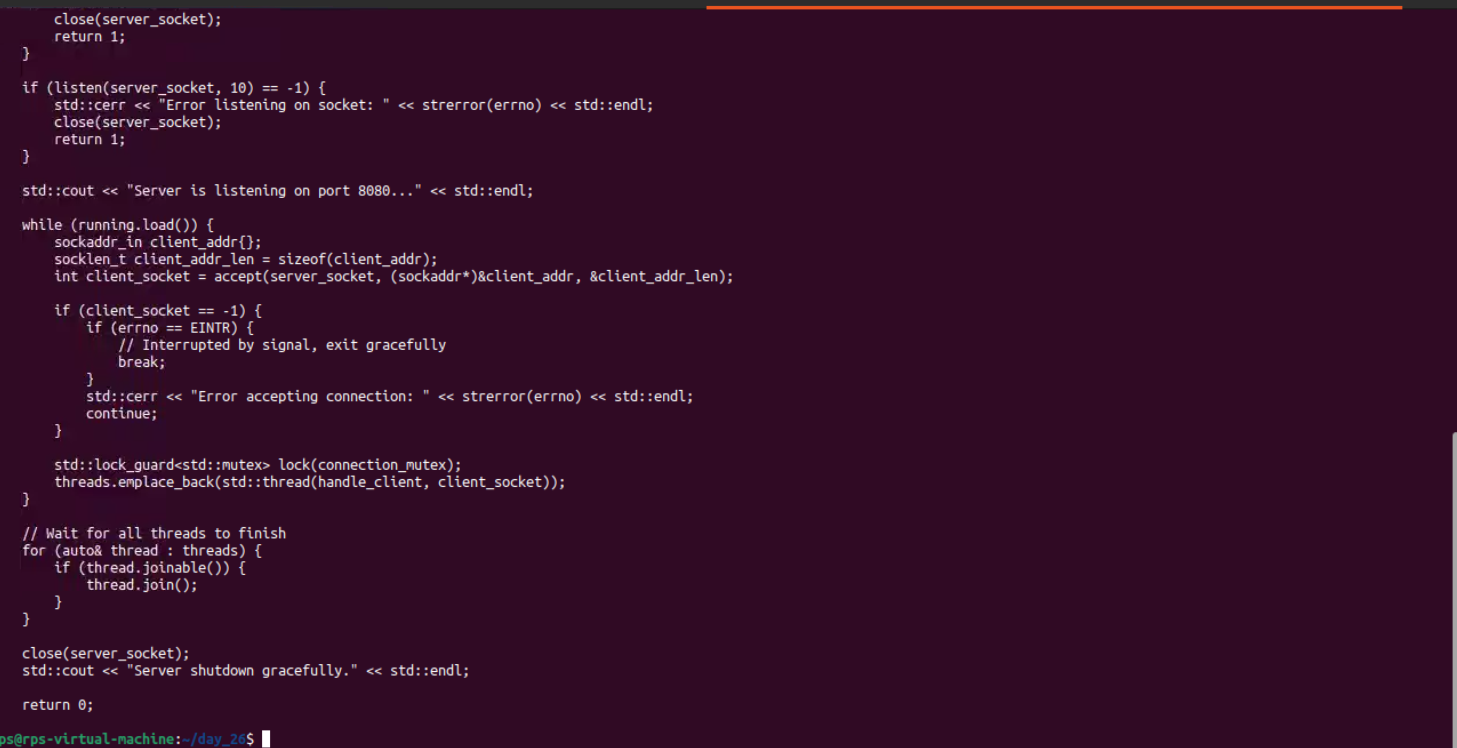
Task 1

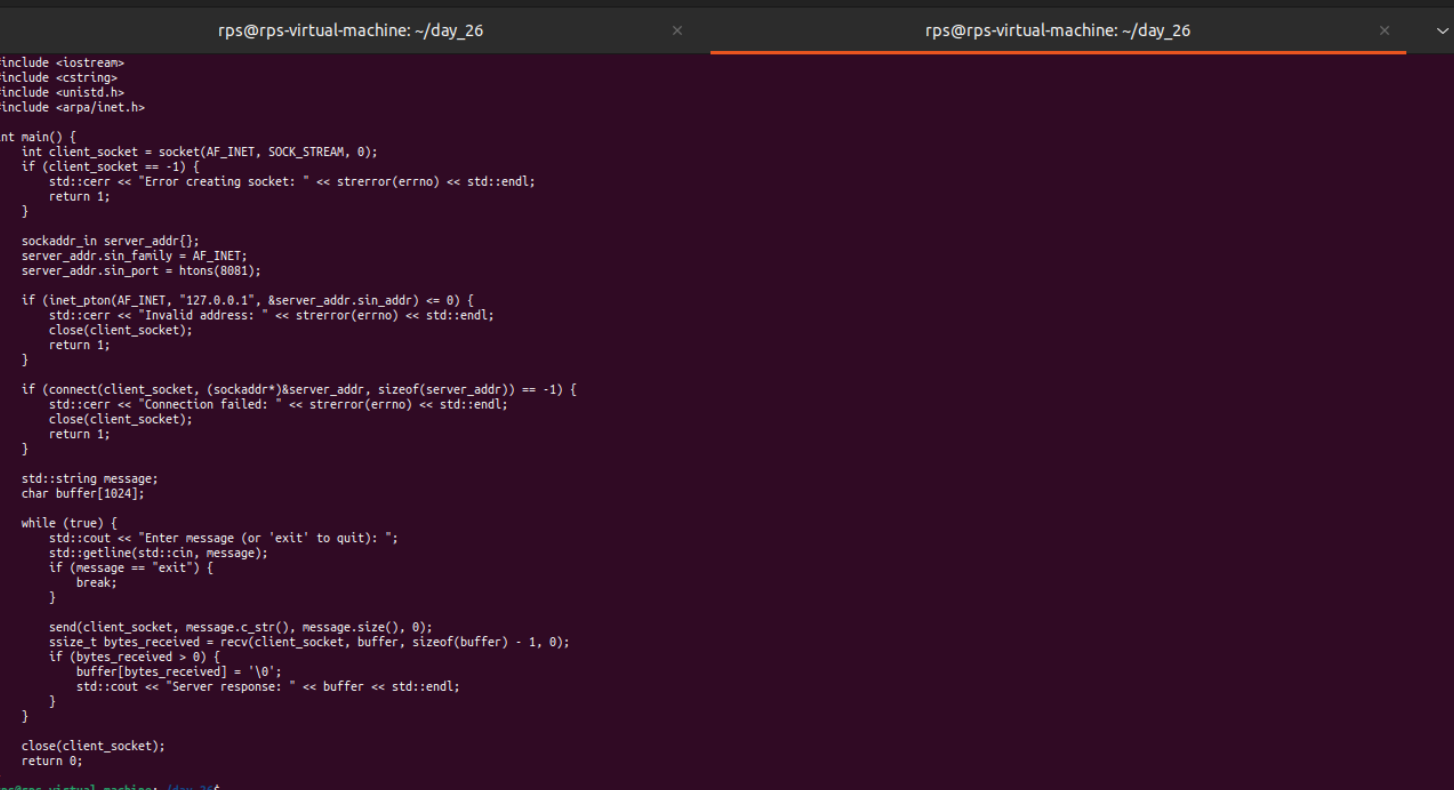
Design and implement a network service that reliably handles concurrent client connections while ensuring graceful termination in response to external signals (e.g., SIGTERM, SIGINT). The service must maintain data consistency and avoid resource leaks throughout its lifecycle.

Server code:







Client code:

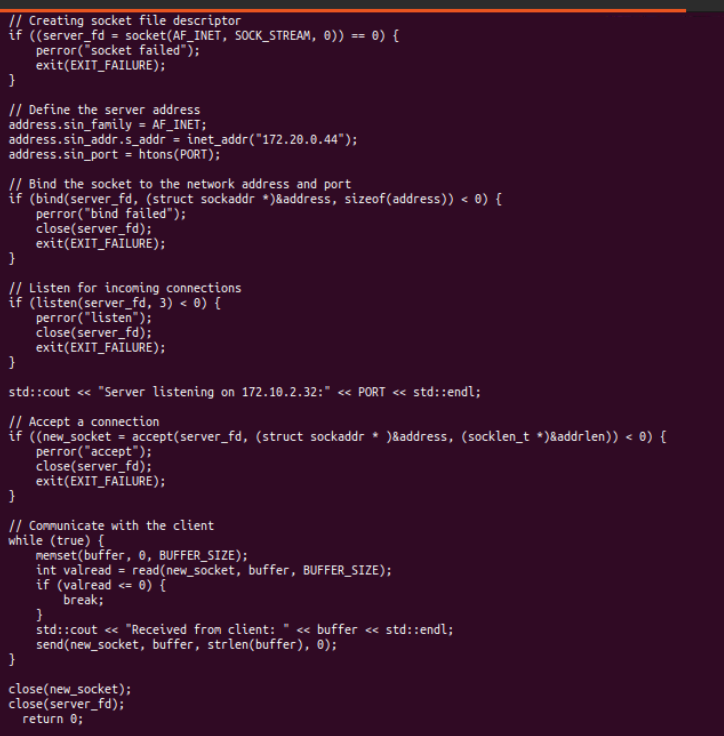
Output:



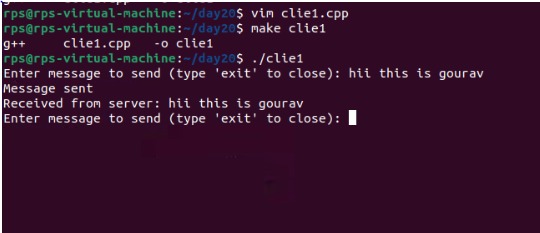


Task2: connection between the server to server

Code:



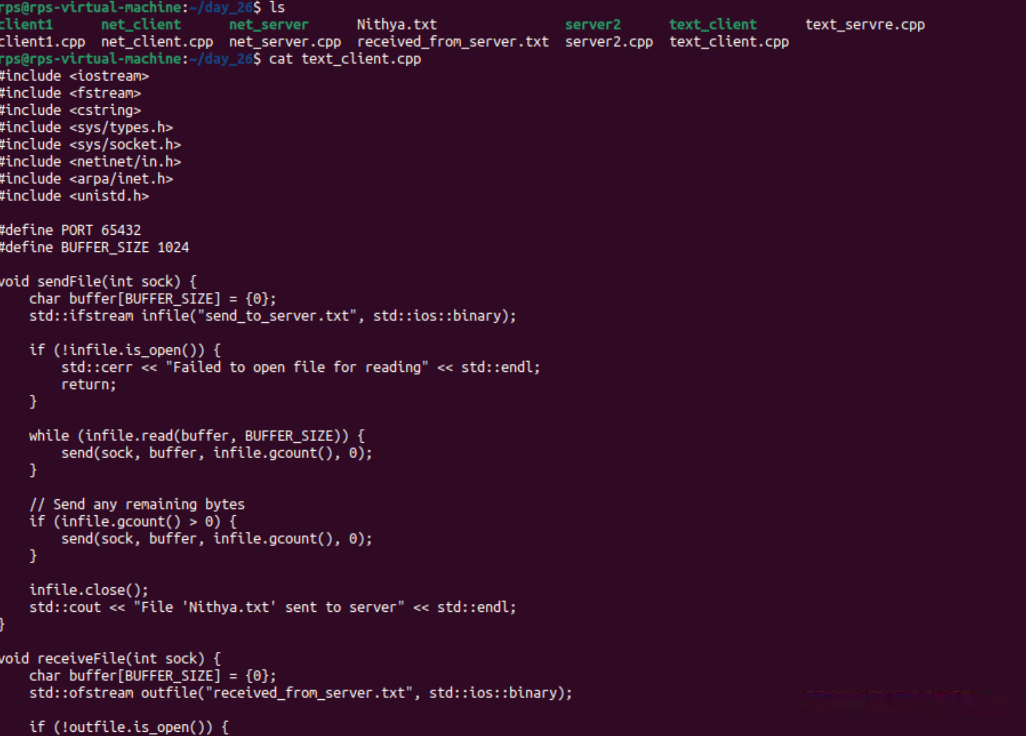
Ouput:

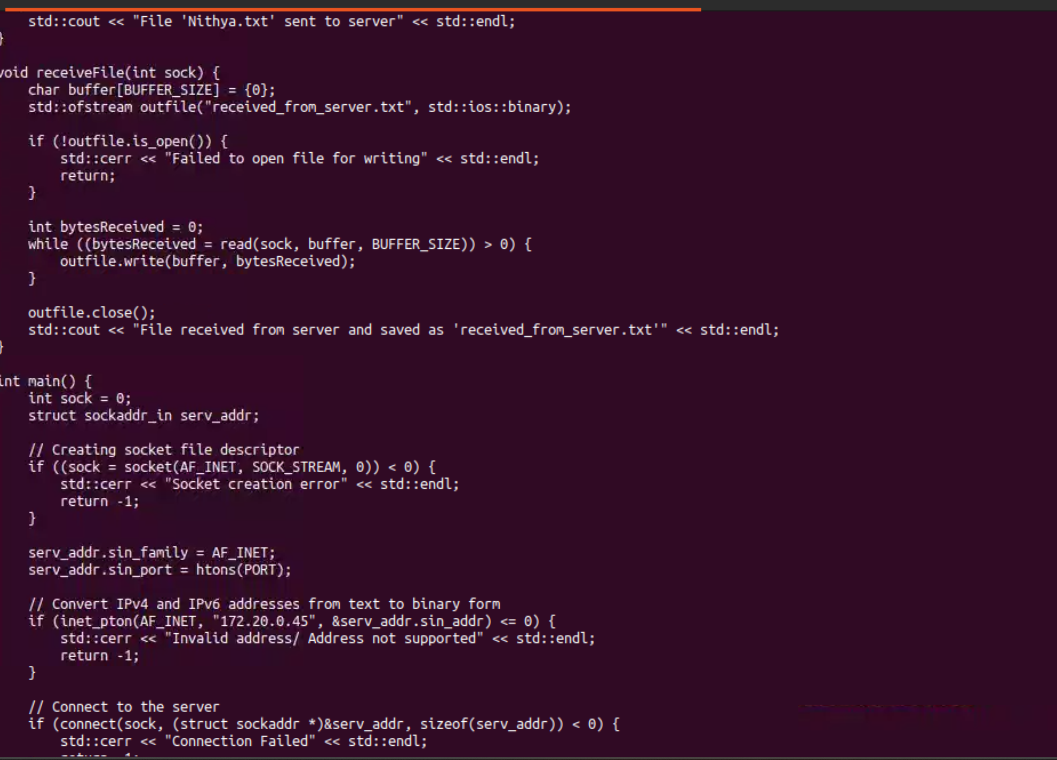


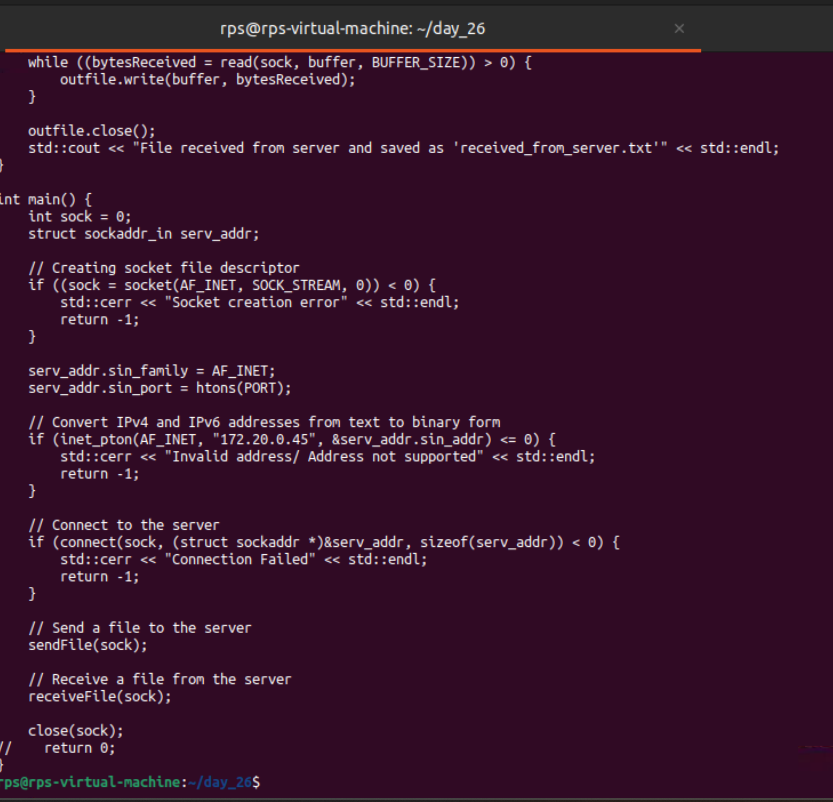


Task3: sending text file from one server to another server

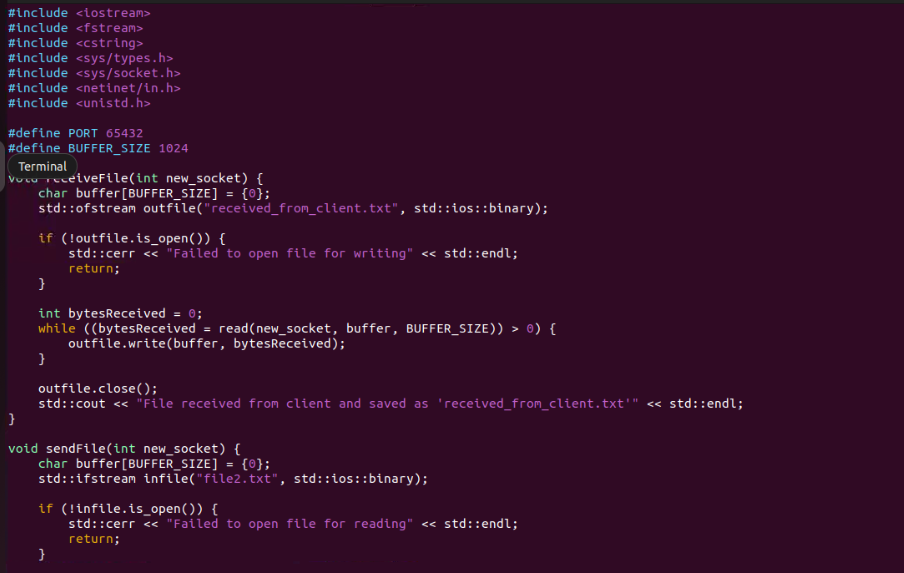
Client code:

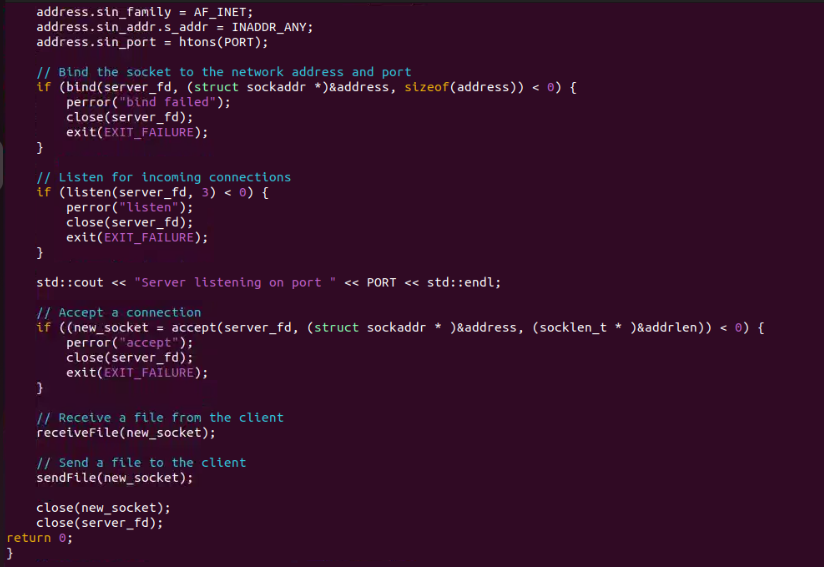






Server code





Output:

