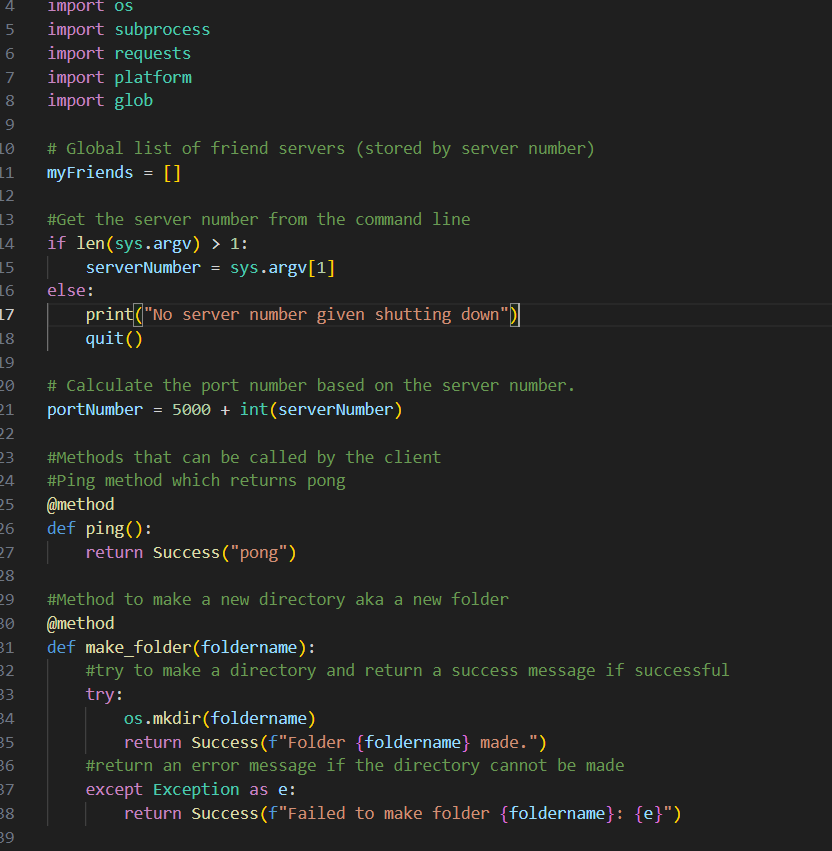
Network Distributed Computing

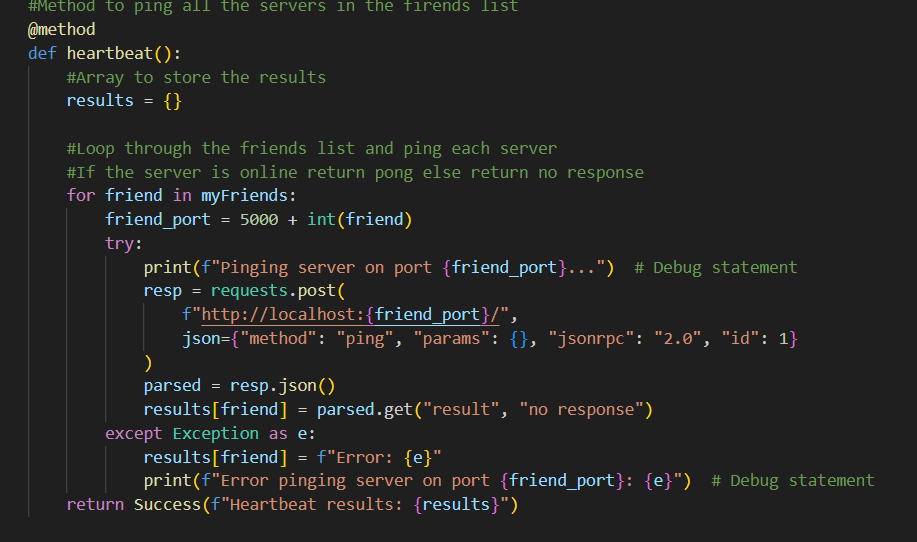
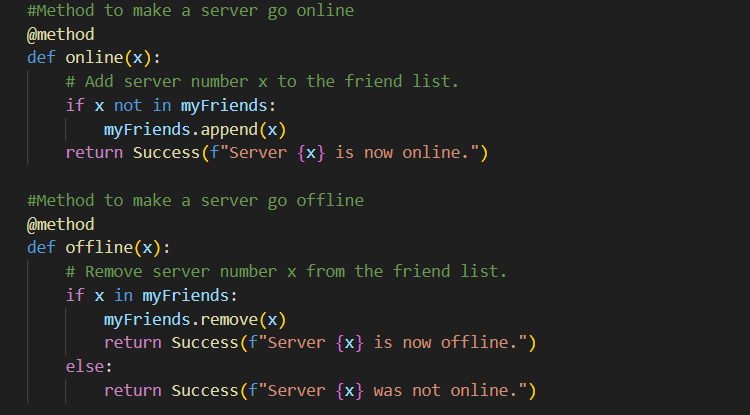
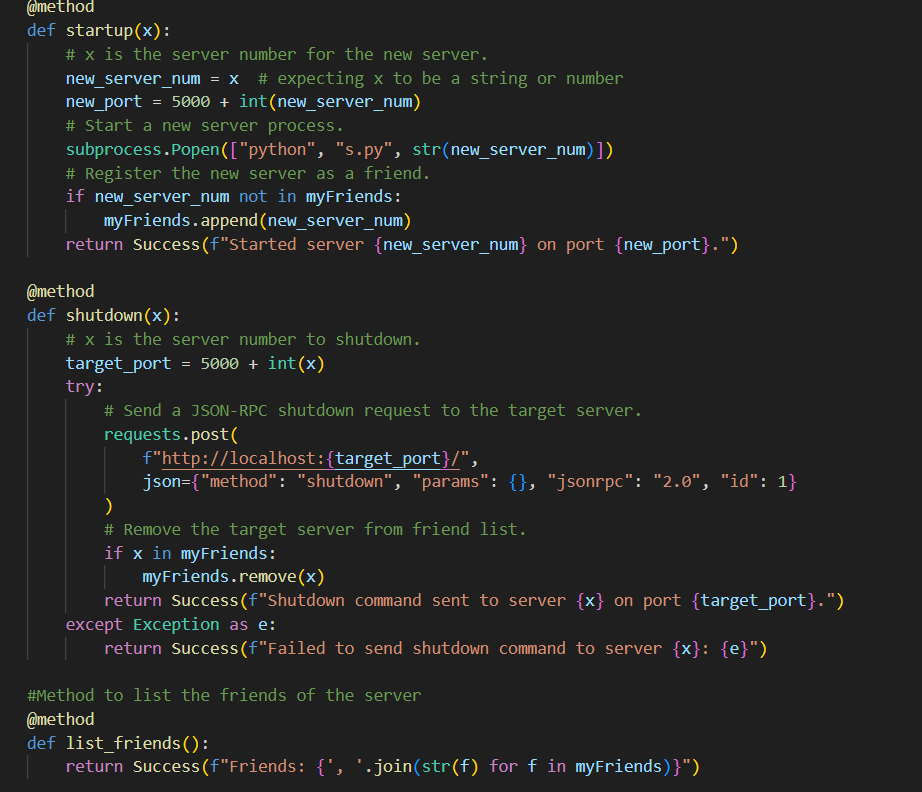
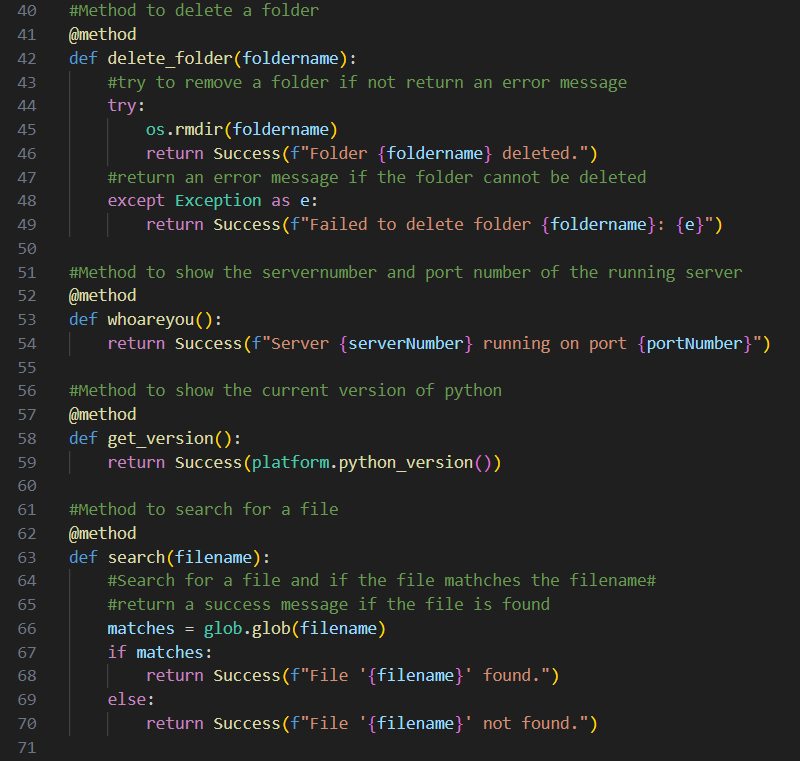
Assignment 1

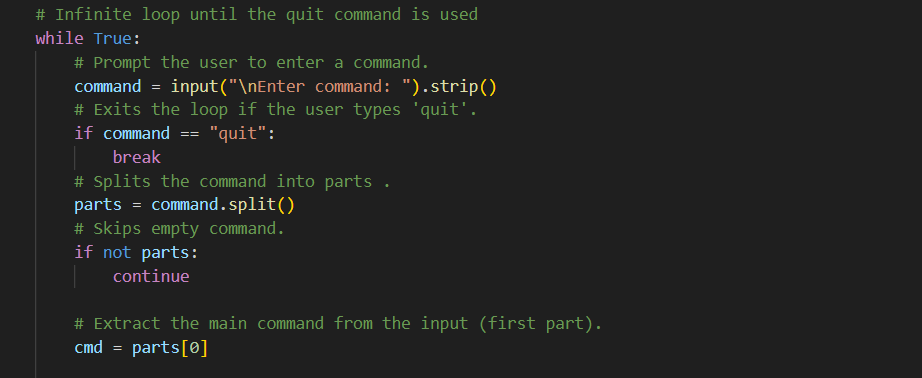
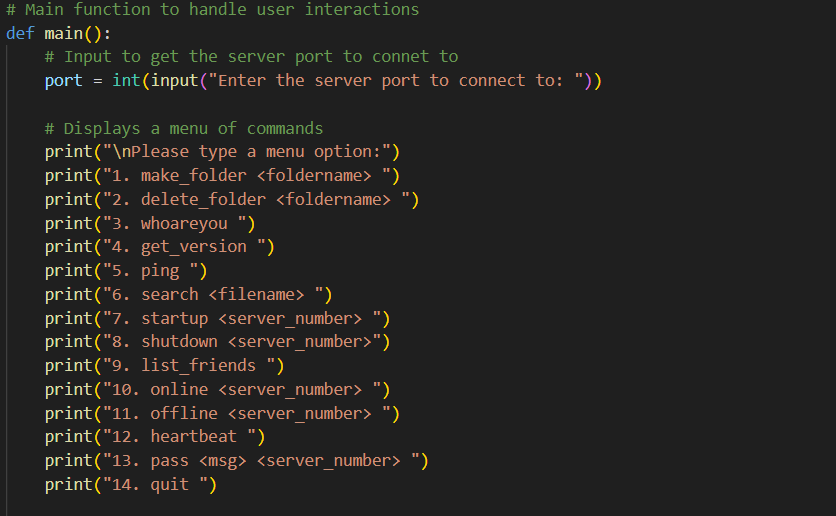
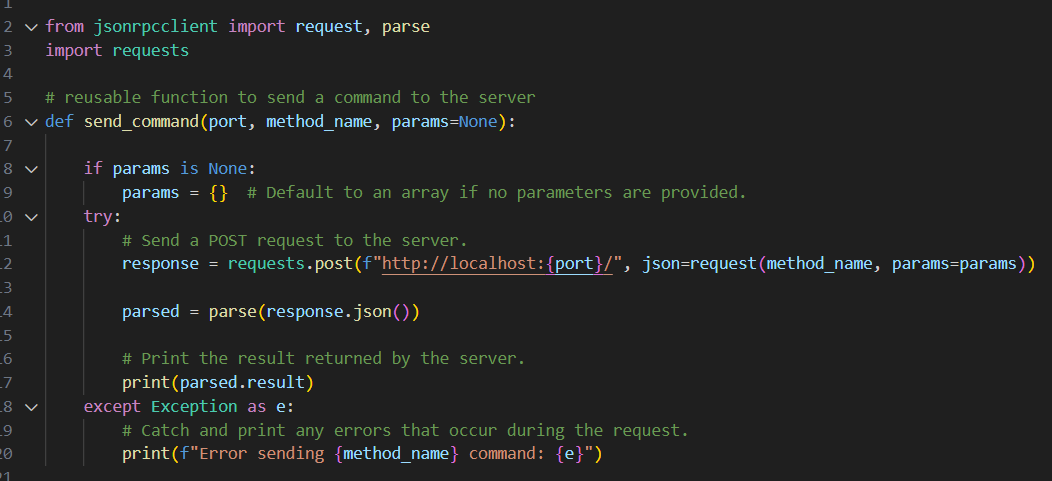
Name: Nicolae Casian

Student ID: B00144312

1. The Client and Server Python Code

Server Python Code

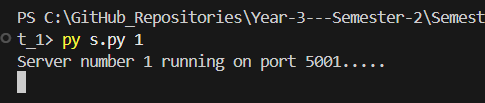


Client Python Code

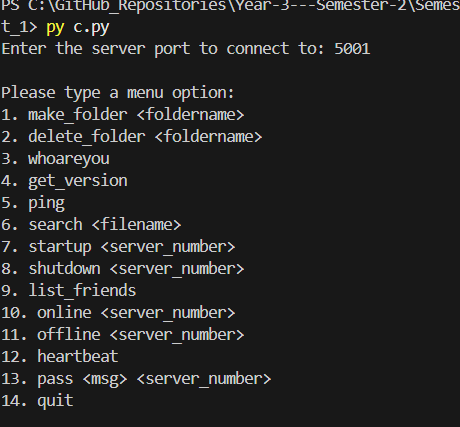
1. Scripts Used to Run the Code

Running the server and client code

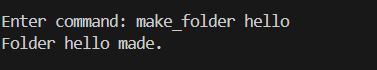
1. Running the server side



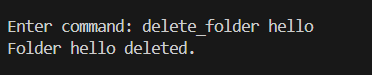
2. Running the client side



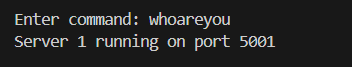
3. Running make\_folder script



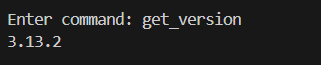
4. Running delete\_folder script



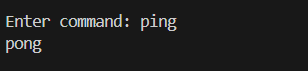
5. Runing whoareyou script



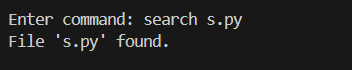
6. Running get\_version script



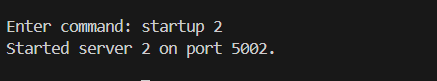
7. Running ping script



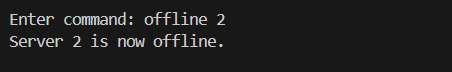
8. Running search file script



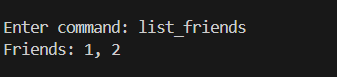
9. Running startup server script



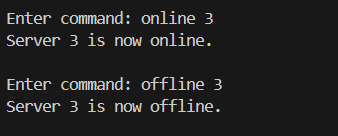
10. Running shutdown server script



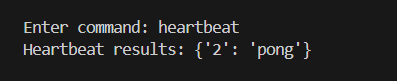
11. Running list\_friends script



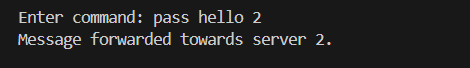
12. Running online and offline script



13. Running heartbeat script



14. Running pass msg to a server script



3. Python Unit Tests

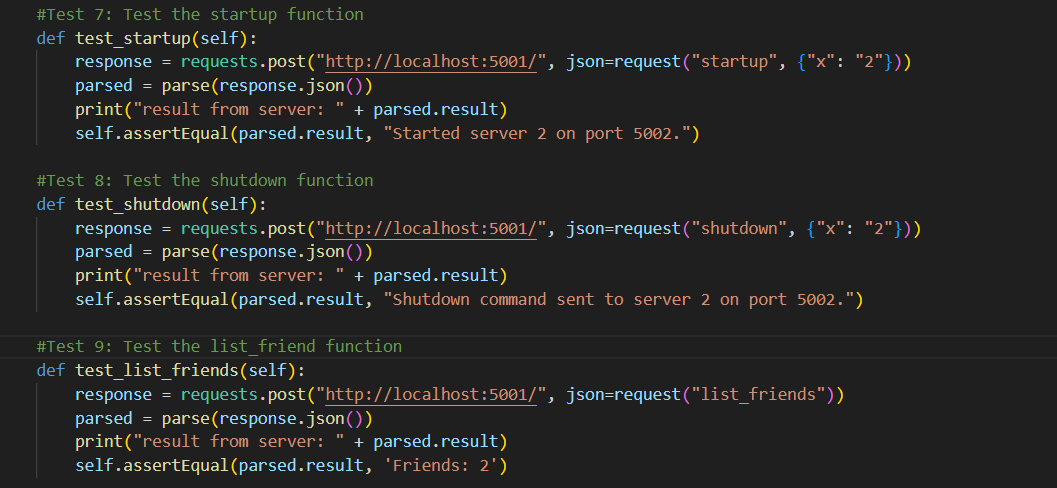
Testing Ping , make\_folder and delete\_folder functions



Testing whoareyou, get\_version and search functions



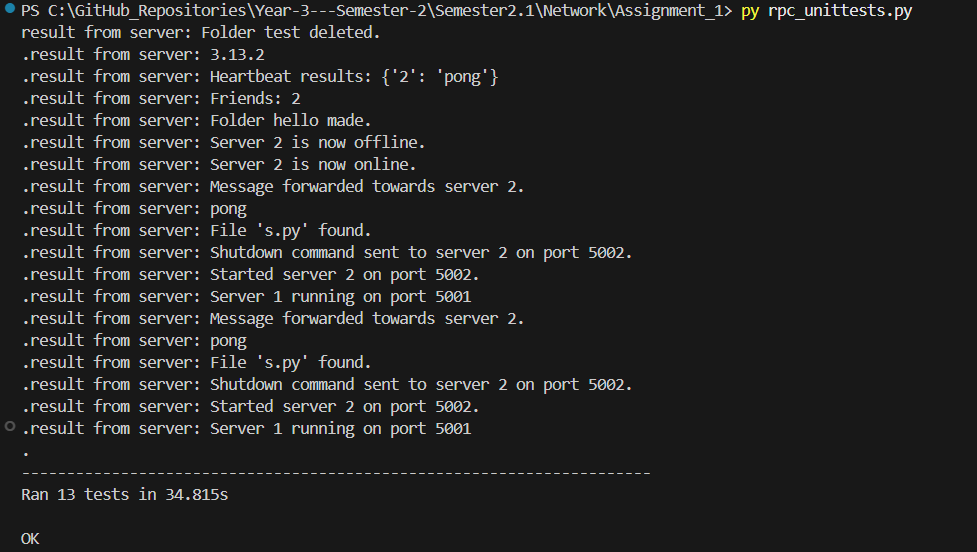
Testing startup, shutdown and list\_friends functions



Testing the online, offline, heartbeat and pass\_msg functions

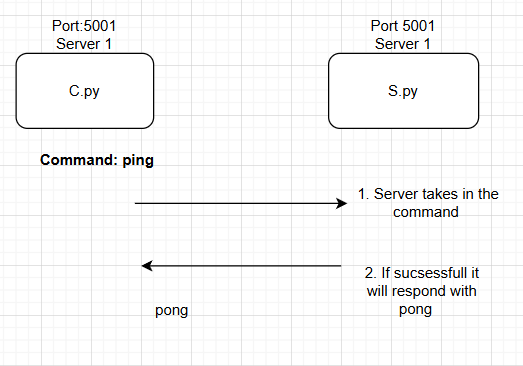


4. Results of my Unit Tests

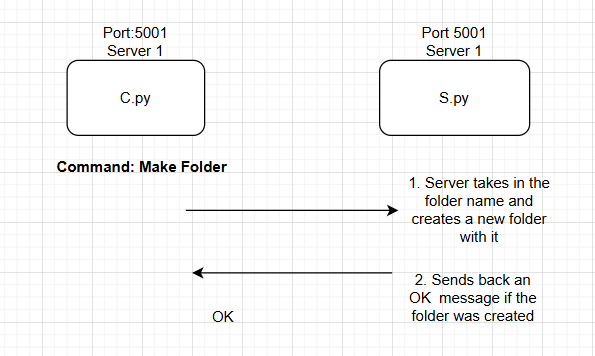


5. Diagrams of each function

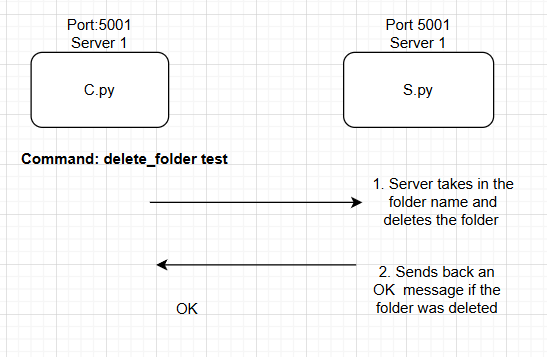
1. Ping Diagram



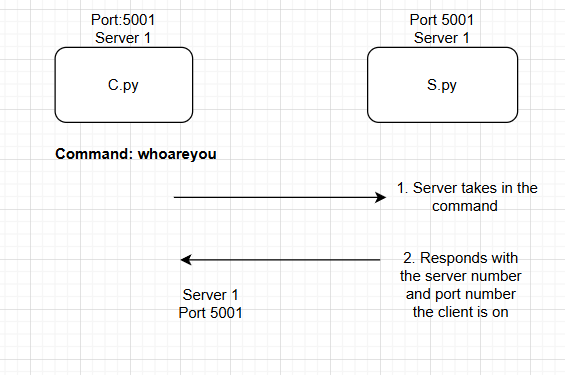
1. Make\_folder diagram



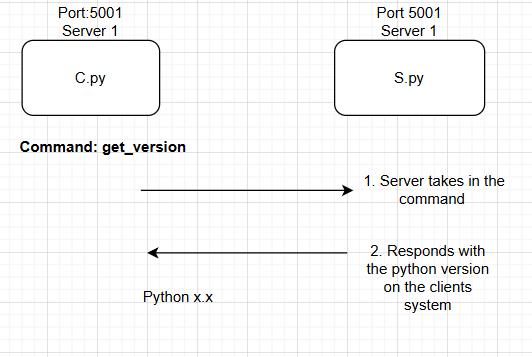
1. Delete\_Folder Diagram



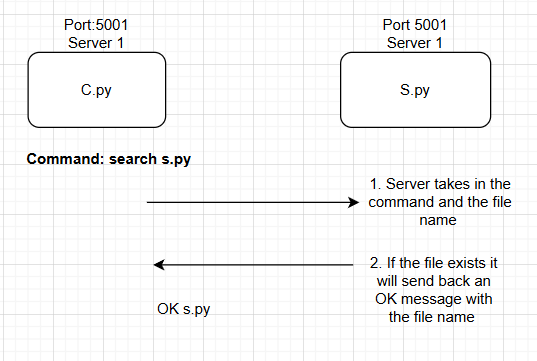
1. Whoareyou Diagram



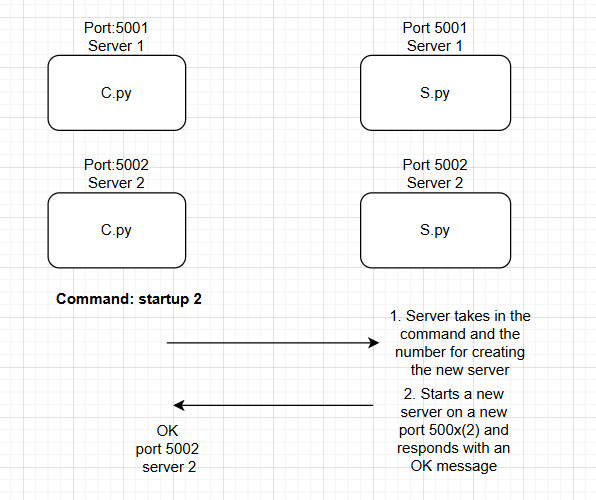
1. Get\_version Diagram



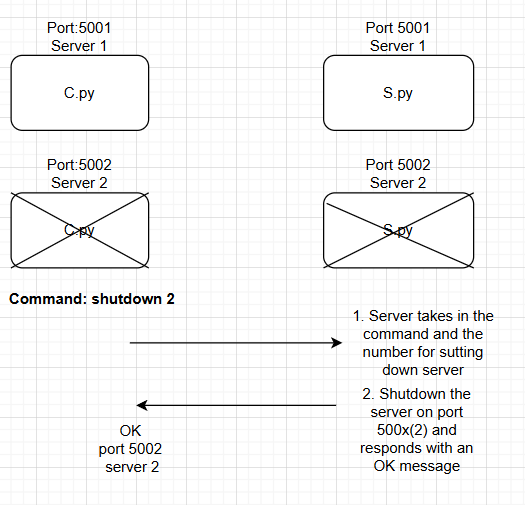
6.Search Diagram



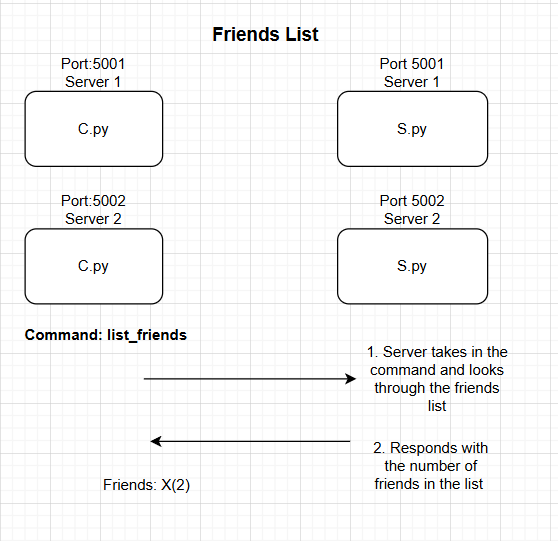
7.Startup Diagram



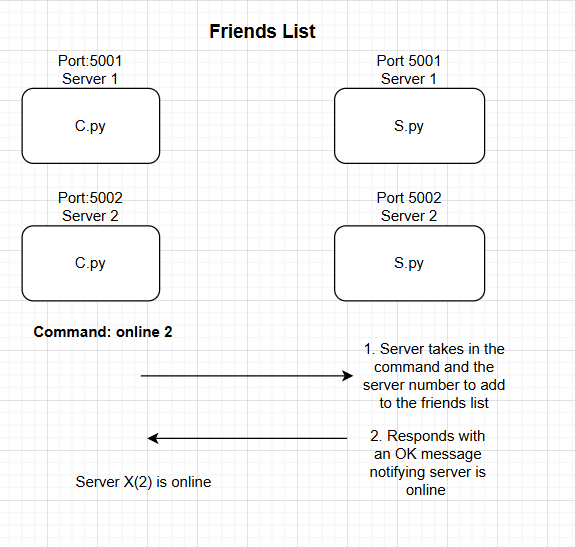
8. Shutdown Diagram



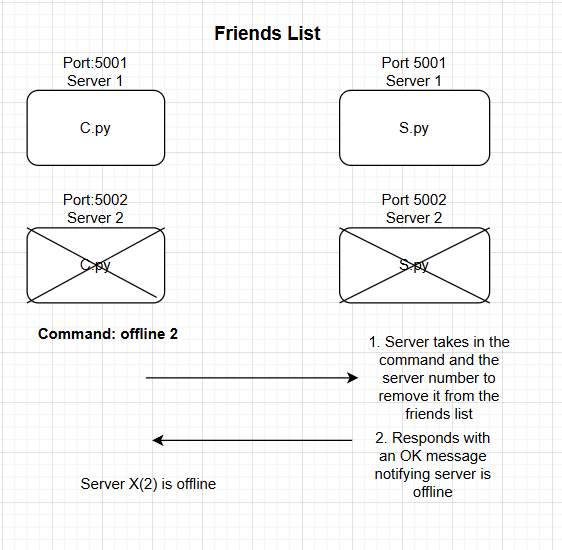
9. List\_Friends Diagram



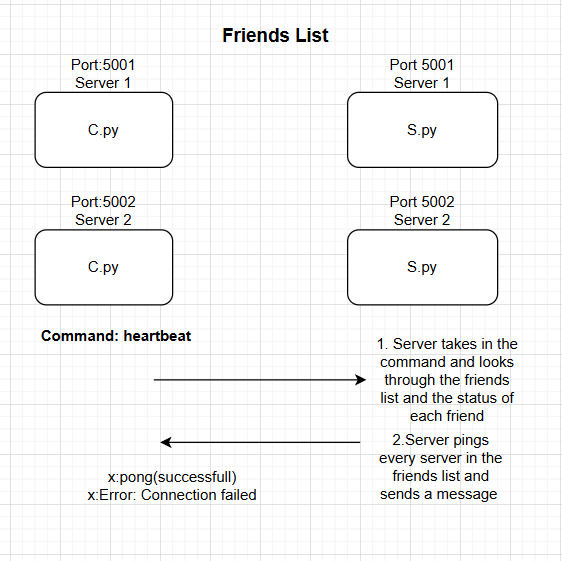
10. Online Diagram



11. Offline Diagram



12. Heartbeat Diagram



13. Pass msg Diagram

