Readme

1. The code uses python, so the first step is to check if computer has a version of python of 3. This can be done by running the command “python3” in the terminal.
   1. if a version of python 3 is installed type “quit()” in terminal and proceed to step two.
   2. If not please install python on the machine you wish to run the program on.
2. Once code has been uploaded to the server go to the directory
   1. Run “python3 Server.py 127.0.0.1 12000”
   2. Then run “python3 Client.py 127.0.0.1 12000”
   3. Note: The other ports and IP address can used if desired.
3. Now the code is running
   1. Through the client terminal type the URL that you wish to ping, and the server will process the request and send back the results.
   2. If the server is sent an invalid URL it will send back an error message.
4. Once you are done with the code
   1. Simply type “-10” into the console this will shut down all clients and the server.
   2. If you wish to shut down one client just type 0 into the client’s console.
   3. The other option is to simply force the programs close with “ctrl+c” command in the respective terminals.

Notes:

* Cs1.seattleu.edu should have a working version of python for this project
* Since both pieces of code will run from the same machine as discussed earlier step should work without incident
* “ctrl+c” can close the programs, but it may cause errors

Reference

“Simple Chat Room Using Python.” *GeeksforGeeks*, 19 Nov. 2020, www.geeksforgeeks.org/simple-chat-room-using-python/.