

1. Kritik Patel – ksp127, Manav Kumar – mk1475
2. We collaborated with each other throughout the project, but split the main work into portions. Kritik did the client portion, and Manav did the server portion. We also split the work for the questions on this report.
3. When we remove the sleep, we see an error that the server and client connection can't be made. This is because without the sleep, a connection will be attempted to be made when there is already an existing connection from our first run of the program. That connection attempt will fail and so we get the error that the address is already in use.
4. No, it works properly.
5. We initially thought we could read the entire file at once and send the data in and run a simple function to reverse it all, but we realized that we can't send it all at once. Therefore, we had to work to send the data in chunks and read and interpret it properly and ensure that we kept new lines (\n) in the proper positions.
6. We learned a lot about the how client and server connections are made in python. Neither of us were familiar with socket programming in python, so it was interesting to see how a different language from what we're familiar with does it. Understanding the reason why we use sleep for the different threads was also interesting as it was a good practical example that shows its importance.