Python 2.7 was used for this assignment

1.
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2.
We only collaborated with each other. In terms of resources, we consulted Stack Overflow and the Python documentation. We consulted Stack Overflow because we accidentally removed the line that closed our server, so even though the program ended, it ran in the background, and we used it to figure out how to kill that process on Linux. We used Python documentation for specific Python functions such as reversing lines, stripping certain characters, and other Python socket methods.

3.
There are 2 errors that we see, one is from the client which says '[Errno 111] Connection refused', and another is from the server that says '[Errno 98] Address already in use'.

The reason that we the error from the client side is because the server is not accepting connections, as it is in the process of shutting down.
The reason that we see the error from the server side is because the server is already running, and we are trying to run it again. It has not been shut down properly from the last time it was run.

4. Done

5. Done

6. Everything works as expected and outputs match.

7. There were some issues with timing the communication between the server and the client, so we solved this by adding time.sleep after some communications in order to ensure timely delivery of all information. Also, we encountered some issues using python 3, so we stuck with using python 2 as it was more reliable.

8. We learned how to have a client and server effectively communicate in Python. We learned more in depth Python functions and how Python's built in syntax can be significantly more concise compared to other languages. This allowed us to focus more on the implementation of the server and client communication code rather than worrying about whether the right information was being sent.