While developing this program I ran into a couple different issues, starting originally with the port numbers. Since I wasn’t familiar with the sys library, I wasn’t sure what these arguments were for at first and had started to hard code the port numbers. However after reviewing the instructions on canvas further I realized that these are command line arguments that are passed in when the program is ran. After I figured this out, I was able to dynamically pass in port numbers just fine.

I also had a good bit of difficulty implementing the error handling, as the try/catch wasn’t too terrible but implementing it in a “call stack” type fashion to pass the error/result from the worker to the master to the client was a little difficult. This was mostly due to me being a little rusty in Python though and trying to process the datatypes associated with each response (list, dictionary, etc).

I also found some of the error handling made the code slightly bulky as properly dealing with an error or response required 5-10 extra lines of code per function, but once I found a flow it wasn’t bad to implement and replicate across functions.