WRITEUP

Question 1:
        when i ran the 4 requests concurrently my program crashed as
expected. However i am not able
        to run the command on my multi-threaded server because it cant
process more than one request()explained in the readme)
Question 2: How to improve performance
        There are many bottlenecks in my system
        1. the mutex's that are included in some of the functions such as
the read/write mutex's,
        2. When my main recieves a request but all threads are busy then it
just waits until one of them is free
                        This can be considered a bottle neck because it pauses
the recieveing requests
        3. Also i was not able to figure out how to have multiple files open
at the same time
                        for each thread to read form them so only one thread can
read from one file at a time. This is definitley a bottleneck and Do not
know how to go around it because the file descriptor was giving me issues.
I didnt know how to check if the file was opened already and since the
threads share the fd table it was difficult to tackle.
        4. was not able to get logging to work