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Execution steps:

1. At the beginning, run "server_b.py" to have Port 55555 open to communicate with incoming connection.

Command: "python server_b.py"

2. Then run `server_a.py` and type a port number so Therefore, PORTID is performed differently than 55556. Internally connect the socket to 5000 Get the data from `directory_b`.

Command: "python server_a.py"

3. Next we will execute file client.py all the data from server_a and server_b will be displayed in sorted form.

Command: "python client.p"

4. In next step we use commands to lock the file and unlock the file.

Lock the file Command: python client.py -lock -{file_index}`
Unlock the file Command:python client.py -unlock -{file_index}`
The execution is done

Reference Links:

WATCHDOG: https://xiaoouwang.medium.com/create-a-watchdog-in-python-to-look-for-filesystem-changes-aaabefd14de4

https://xiaoouwang.medium.com/create-a-watchdog-in-python-to-look-for-filesystem-changes-aaabefd14de4

https://thepythoncorner.com/posts/2019-01-13-how-to-create-a-watchdog-in-python-to-look-for-filesystem-changes/

https://docs.oracle.com/javase/tutorial/networking/sockets/clientServer.html#later

https://realpython.com/python-sockets/

List of libraries: