Exercise 5: (Suggested time 3 hours)

This exercise extends the work done in Exercise 4 related to the socket server and client applications. Aim of this exercise it to:

1. Add support in the server for handling multiple clients

- Server needs to have a worker thread which will block on accept()

- Once a client connects, a new thread needs to be created to handle the connection.

2. Data processsing at the server

- Each client connection on the server will create separate log files, which name \
  identifying the clinet.

- The connection object can process the log lines received and create separate logs files
  based on the PID found in the log line.

- If the log line does not contain a PID then a common log file can be used.