Mini Project

1. Create a daemon process which acts as an audit and system log service. The server will run in the background listening on a well known Unix domain socket. Whenever another process connects to the server, the server should record the time and record a string containing the name of the process. The string ends in a newline. When the connection has been established, the process will periodically send log messages which end in a newline. These should be recorded in a system wide log file in the following format:

   [Timestamp] process Name: Log Message

The log file will be shared among all processes and each process's log messages will go in the same file. Either use a forking model for the server, which forks a separate process on the server to handle each connection or, alternatively, use a multithreaded model.