README

Primary functionalities of functions implemented

1. MSGGET
   1. Returns a “Message of the Day” from the “messages.txt” file
   2. The phrases pulled from the file are all
2. MSGSTORE
   1. Allows a logged in user to send a message to the Server, which then logs it into the “messages.txt” file
3. SHUTDOWN
   1. Shuts down the server if user “root” is logged in
4. LOGIN
   1. This attempts to log a user into the Server
5. LOGOUT
   1. This logs out any logged in users of the Server
6. QUIT
   1. Disconnects the client and logs out of any currently logged in users

How to compile and run the program

1. Open the SSH terminal
2. Navigate to our "YAMotD" folder
   1. This folder should contain "Server.java" "Client.java" "Makefile" and "MOTD.txt"
3. Type "make"
   1. This should compile the two java classes. Alternative is "javac \*.java"
4. In one SSH terminal window, type "java Server" to start the server.
5. In the other SSH terminal window, type "java Client localhost" to start the client.
6. The client should now be connected to the server and can run the six commands.

(For further assistance, please see screenshot below on how to use the SSH terminal)

Known bugs

1. Some formatting issues in how the file output onto the Server and the Client.
   1. “S: S: ” sometimes shows up for some of the server’s outputs
2. MSGSTORE issue when inputting in command after logging in

Sample Outputs

