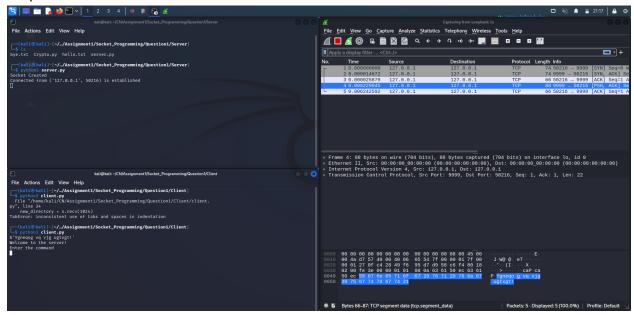
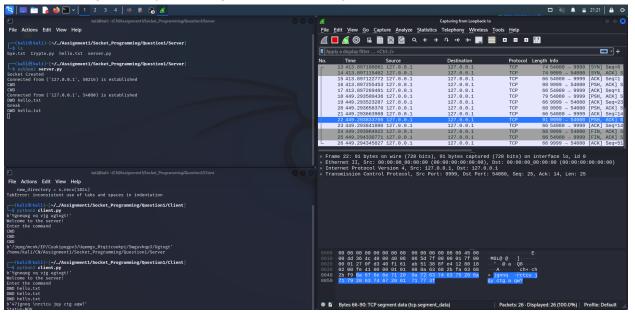
We can clearly see from the screenshots attached, that the data transmitted in these packets is encrypted correctly. I have used 'substitute' mode for encryption.

1. On successful setup of TCP connection between client and server. Server sends the message 'Welcome to the server' which we can see is sent in encrypted form with offset = 2, in the packet.



2. Running CWD command makes the server send the packet containing the information of the current working directory, which again is sent in encrypted form.



For all the commands, each packet communication between server and client is encrypted in the correct mode and thus it makes the communication far more secure.