COMP6504 - Computer Architecture and Operating Systems Final Exams By George, Aqsha, Faith

1. Socket and multithreading programming is the topic I chose. Here are proofs that the program is working.

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| Time | Edit | Selection | Vew | Go | Four | Terminal | Help | Content | Co
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As seen in the image, when I start the server from VS code terminal then run client.py from command prompt, the following message is printed. This shows that the client is successfully able to connect to the server.

[NEW CONNECTION] ('192.168.56.1', 63295) connected. [ACTIVE CONNECTIONS] 1 [('192.168.56.1', 63295)] Hello World!

The picture shows the client sending multiple messages to the server and then disconnecting from the server when given the DISCONNECT_MESSAGE.

[LISTENING] Server is listening on 192.168.56.1 [NEW CONNECTION] ('192.168.56.1', 58994) connected. [ACTIVE CONNECTIONS] 1 [('192.168.56.1', 58994)] Hello World! [('192.168.56.1', 58994)] Hello World Second Message! [('192.168.56.1', 58994)] Hello World Third Message! [('192.168.56.1', 58994)] !DISCONNECT