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Programming Assignment 2 Screenshots

It did not seem as though I was supposed to add screenshots to the pdf like with the homework assignments so I decided to just make another simple document to show the screenshots of my programs working. First I had made a directory called ProgrammingAssignment2 and then made files named ServerTCP.java, ClientTCP.java, and Utilities.java respectively. I then compiled the files and see the .class files for each file are there. I uploaded and started my ServerTCP.java file from tux machine 238. This is also reflected in my ClientTCP.java file. When the ServerTCP file starts a message showing the server is listening on my Team 8 port of 10018.

A screenshot of a computer program

Description automatically generated

Then I opened another portal and tux machine and started the ClientTCP.java file. The user is then prompted to enter an opCode for the operation and then 2 operands in the form of an int value. The value I chose here for the opCode was 0 which represents multiplication and then operand1 is 2 and aperand2 is 4. Upon pressing enter both the server and client get responses that are best organized per the description from the assignment. Here first is the Client window.

A screenshot of a computer program

Description automatically generated

Then also here is the Server window that shows the response.

A screenshot of a computer program

Description automatically generated

Again, you can see the Request ID that is randomly generated. The type of operation and then the operands that were sent across the port 10018. Lastly here is what happens in my program from the client side after you enter quit and then press enter. This then generates a report that shows separately the min, average, and max round trip time. Since I only executed one command to show results on the server each should equal the same result which is does at 20 ms.

A screenshot of a computer program

Description automatically generated

Here I simply just want to show both windows side by side with all the above commands shown.

A screenshot of a computer

Description automatically generated