

Programming Assignment 5 Report

To compile all programs run this command:

- `javac *.java` // compiles all .java files
- `ServerTCP.py` // python is interpreted, no compilation necessary

Steps to run calculator server locally:

- Step 1: Launch two separate terminal shells on your personal computer
- Step 2: Navigate to project folder and compile all .java files
- Step 3: In terminal session 1 run: `java ClientTCP localhost 10010`
- Step 4: In terminal session 2 run: `python ServerTCP.py 10010`
- Step 5: Follow the prompts given by ClientTCP
- Step 6: See how the client and server interact
- Step 7: Quit program when finished

Steps to run calculator server on separate tux machines:

- Step 1: Log onto separate tux machines (i.e. tux060 & tux061)
- Step 2: Navigate to project folder and compile all .java files on either tux machine
- Step 3: On tux060 run: `java ClientTCP tux061 10010`
- Step 4: On tux061 run: `python ServerTCP.py 10010`
- Step 5: Follow the prompts given by ClientTCP
- Step 6: See how the client and server interact
- Step 7: Quit program when finished

Group ID is added to the port programmatically: 10010 → 10017
Our program runs sufficiently.