COMP 8005 ASSIGNMENT TWO USER MANUAL

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To run the program, ensure you have the correct zip folder and files. Once you have the zip folder, unzip it into a location of your choice. There are 5 fives: the client that serves all three servers, the multithreaded server, select server, and the Epoll server. The last file is the alice.txt testing file which contains the Alice text used to send to the server and echoed back to the client. First, ensure that all the clients and servers have proper executable permissions. Type in

Chmod 775 *filename*

This will ensure that you have the proper permissions to now run the file. On one machine, execute the select server by typing in

Python3 select1.py *ip port*

Ex. Python3 select1.py 192.168.0.19 7000

The above shows an example of what to type in, with IP being the IP of the host and the port the port number that the client and server will use.

The select server should now be running properly, showing that it's waiting for a connection to be established. To run the client, type in the following

Python3 client.py *IP port clients requests testfile*

The above command will run the client, with IP being the IP of the server. Ports is the port that the client will connect to on the server and clients is the number of clients that will be connected to the server. Requests is the number of requests that the user wants to send to the server, meaning how many times each client will be sending the file to the server. Test file is the test file text that will be sent to the server and echoed back to the client.

To run the other servers, type in the same command as above.

Python3 *server IP port*

When the server or client has finished, the stats of how many clients and how much data had been transferred will be shown.