5.1 How to run my code.

I used kali Linux to compile and run my code. Locate where you’ve saved the Java source files in your Linux machine. Open terminal there and type ***ls*** to confirm the files are in the same directory as you. We will first compile and run the server-side program. Type ***javac Server.java*** and hit enter.

Javac is the primary Java compiler. After hitting enter now type ***java Server*** to run our program. If ready the program will display listening for incoming connections.

Open another tab in the same directory. Type ***javac Client.java*** to compile the program and hit enter. Then type ***java Client*** to run the compiled program. The server program will communicate with the client program and display the results on both terminals.

5.2 Performance description

In the concurrent server, it takes lesser time for it to execute than the iterative server since it doesn’t need to wait for any process to exit so as the other process can start as in iterative server. The concurrent server has an average delay of 209.3 milliseconds while the iterative server has an average delay of 2.634 seconds.

Also in the standard deviation the concurrent server has a lesser standard deviation as almost all the tests carried out ranged at the same values.

