

This is my solution to the Data Service Code Challenge:

The server file is **DataServiceServer.java**

All of the tester files will be found in src/test/java

To start the server run: **DataServiceServerStart.java**

I have provided 3 clients one can use to test the **DataServiceServer.java**

**BadClient.java:** This client will send 100,000 random numbers from 0-999,999,999 then will write ("This will get me kicked off") to simulate a client sending over an invalid input line

**GoodClient.java:** This client will continuously send random numbers from 0-999,999,999 to server.  
This client will not stop by itself.

**TerminatingClient:** This client will write 500,000 random numbers from 0-999,999,999 then will send ("terminate") to simulate the termination process. This client **must** be used in order to shut down the server.

Please note that if you run 5 GoodClient.java's there will be now way to end the program since they are not designed to "terminate".

A good test to show the throughput is running 4 instances of **GoodClient.java** then run one instance of **TerminatingClient.java**