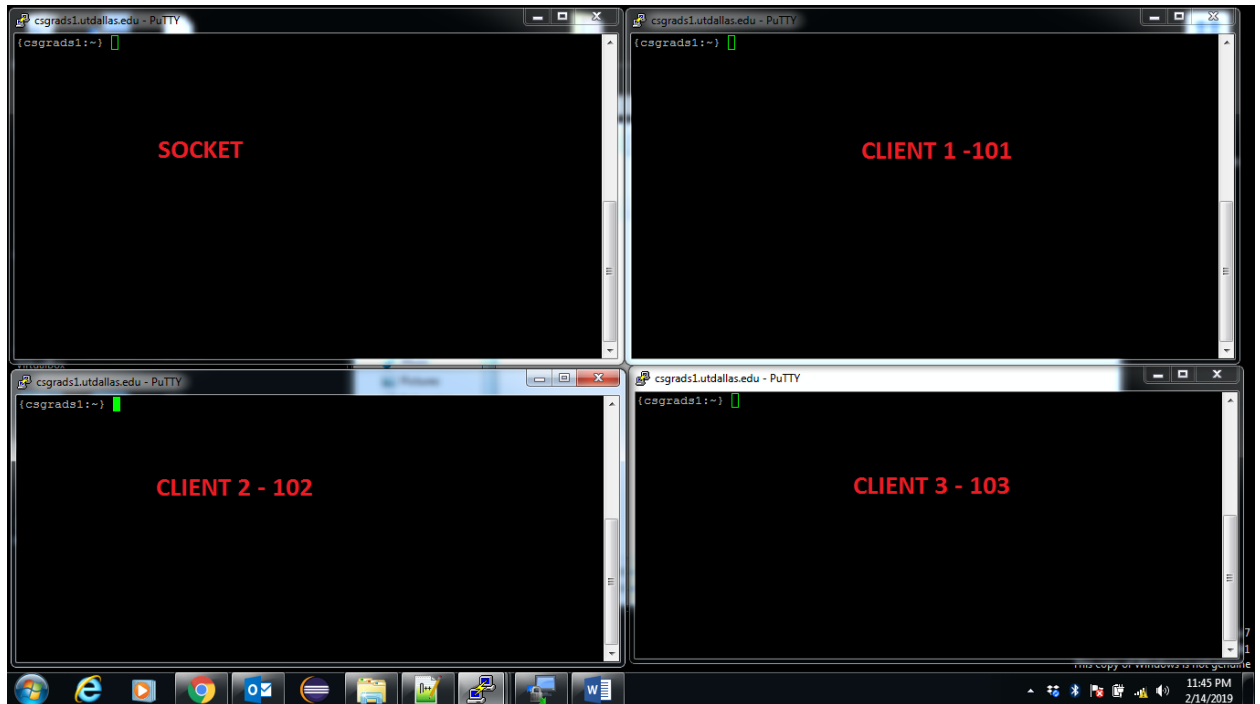


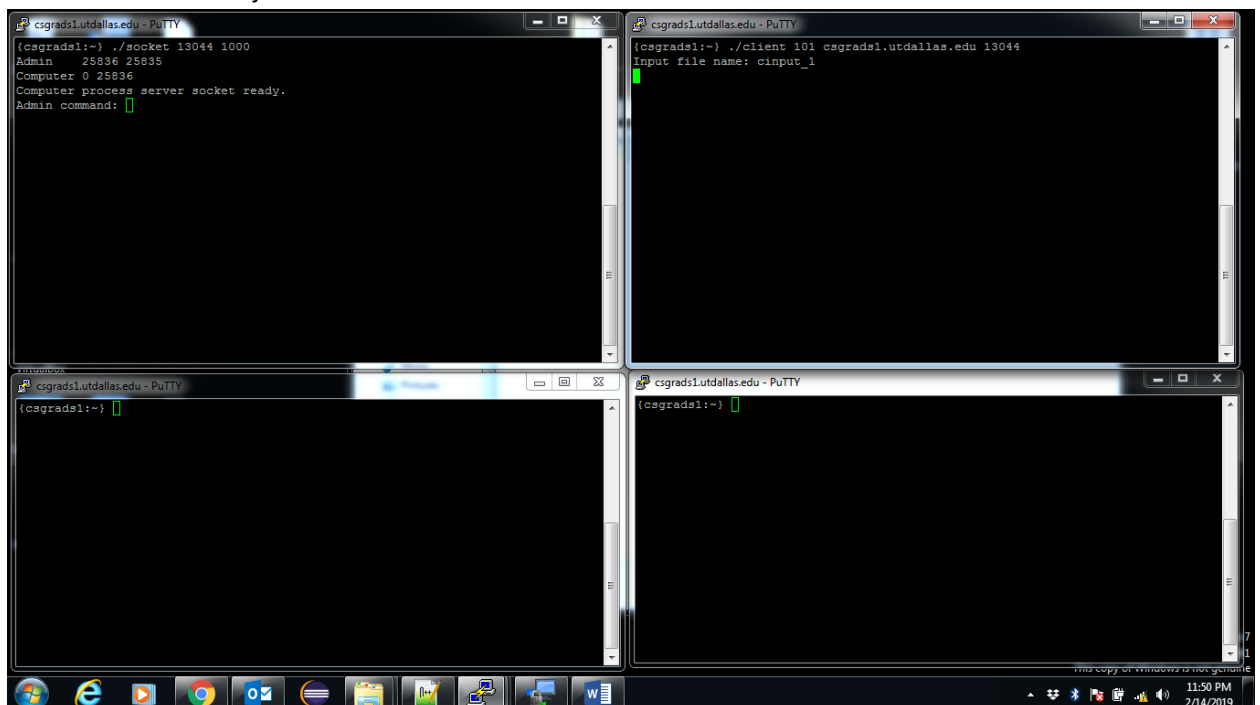
Note: Socket accepts **3 client connections**. **60 seconds** time is provided for the first client to join the socket. Before this time, no operation is carried out. 3 Threads are provided: **aThread** to accept communication from Admin Process, **ccThread** to accept client connections and **cThread** (**main process**) which communicates to client (in a queue order where first client is read first, second client is read second etc.)

Please follow below steps to carry testing process:

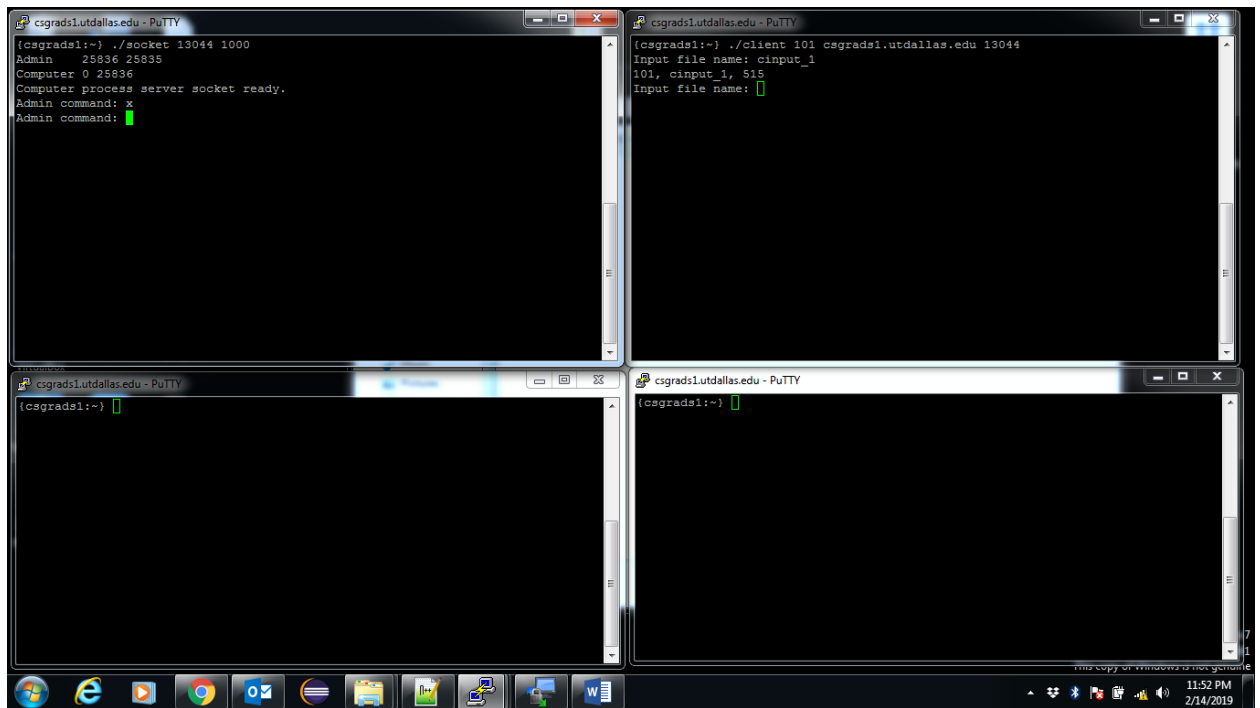
- a. We have Socket and 3 clients.



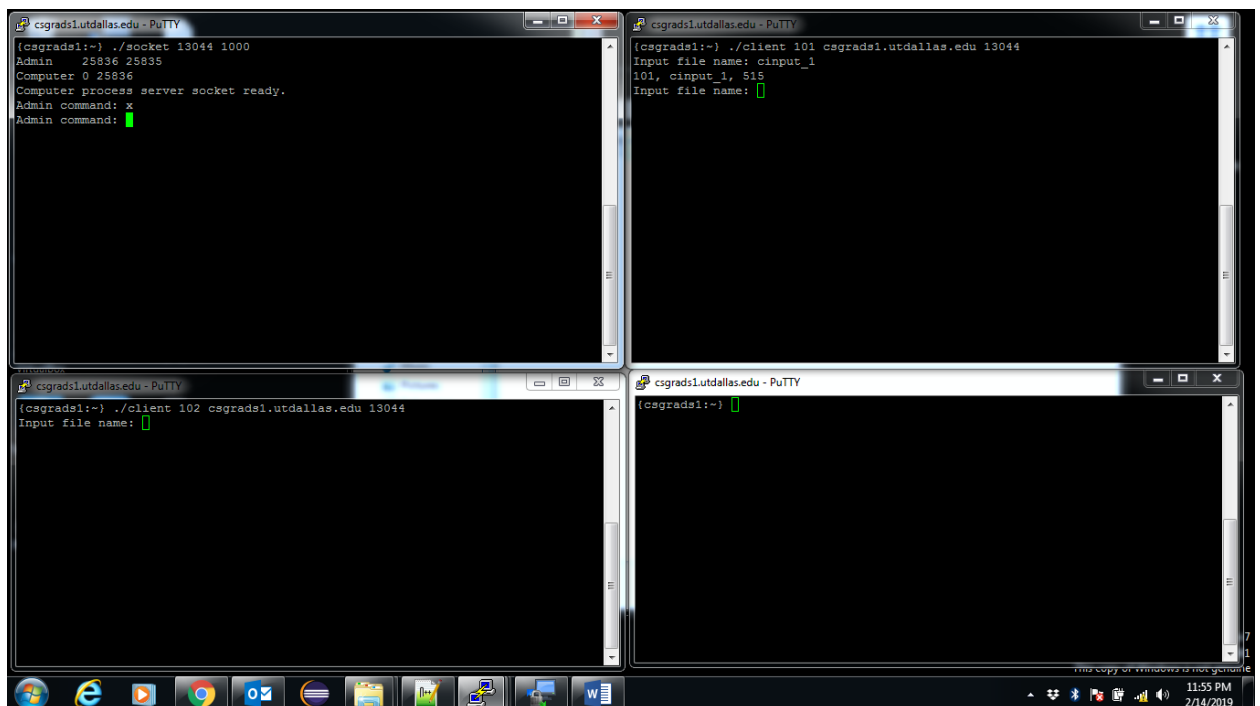
- b. Start the socket and join the first client within time frame of 60 seconds.



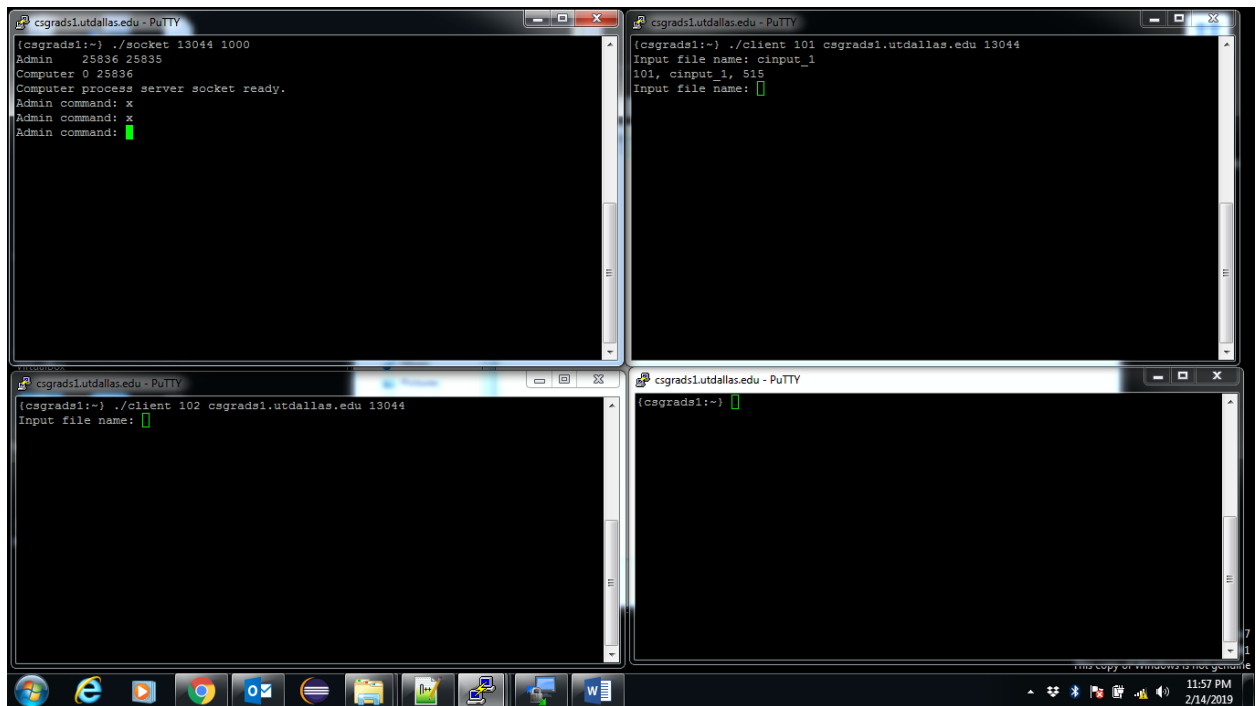
- c. Start executing after 60 seconds. Give the admin command x. The output is returned to client.



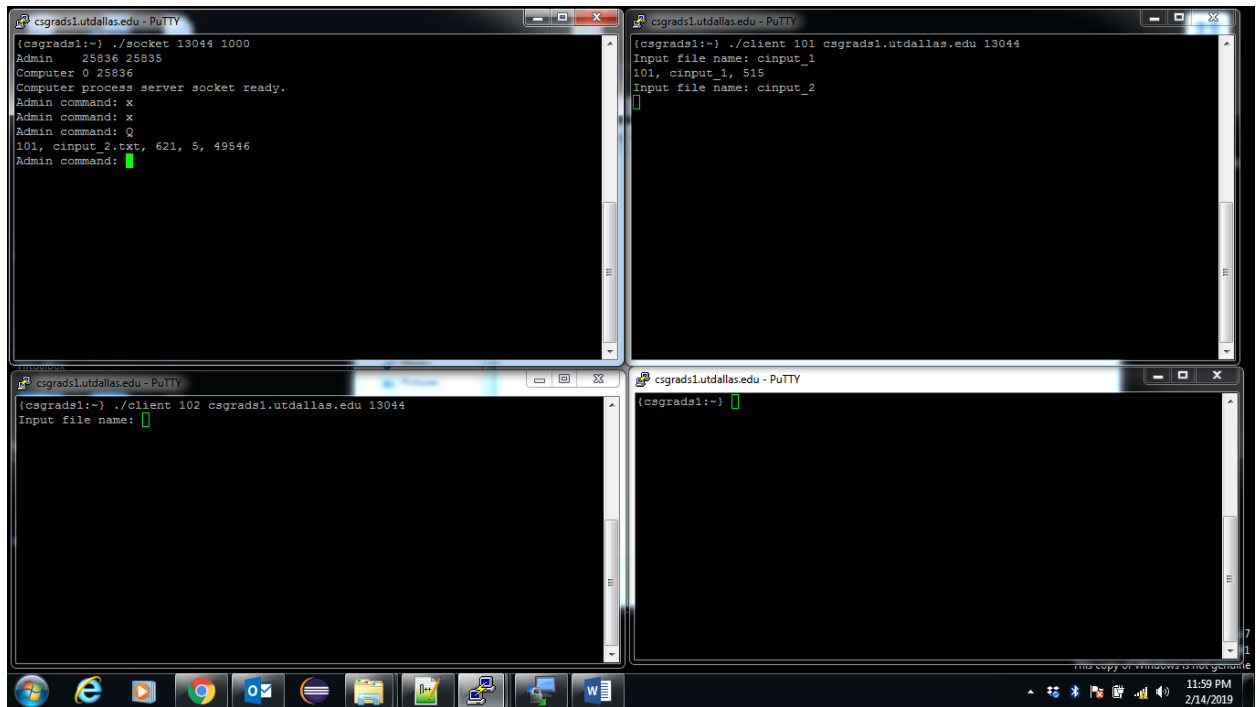
- d. Add 1 more client. (The code can now add 2 more clients at any given time since it running on different thread)



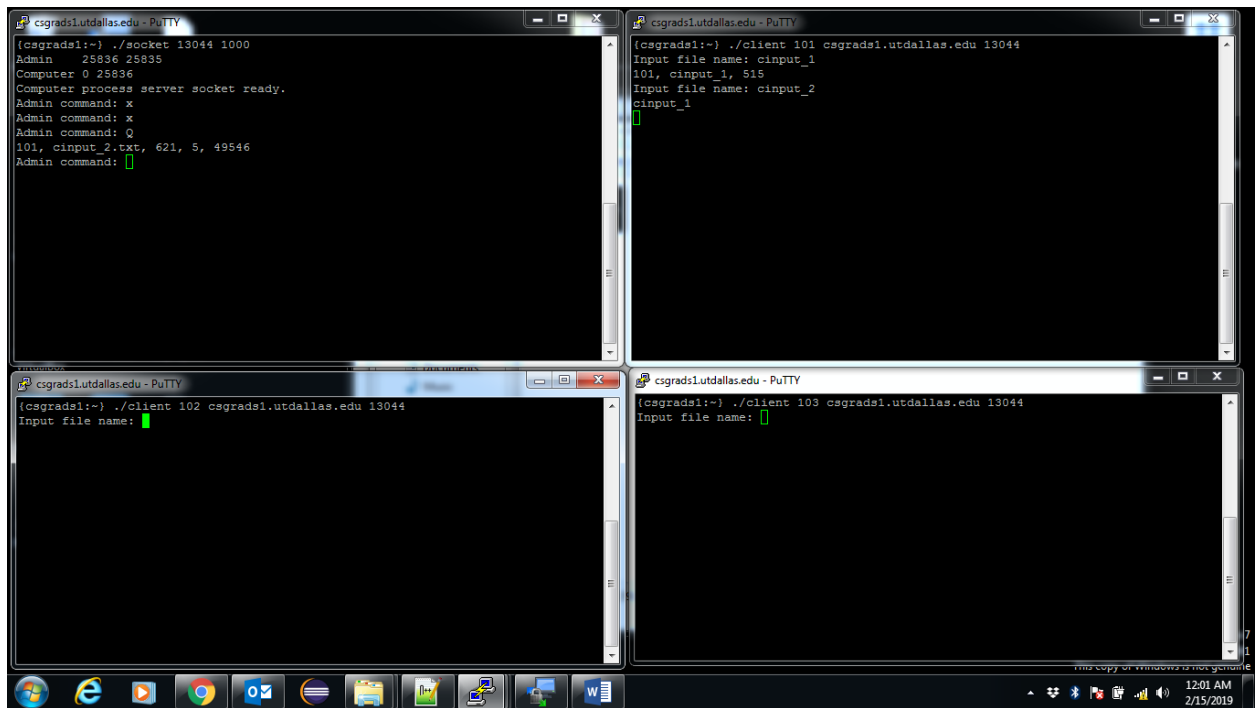
- e. Also, the admin commands can be given at any time without waiting for another process to complete. Give the admin command as 'x'.



- f. Enter a filename by first client 101 and then admin command Q.



- g. Add the last client now.



h. Enter all the filename and give admin command T. All the process are stopped now.

