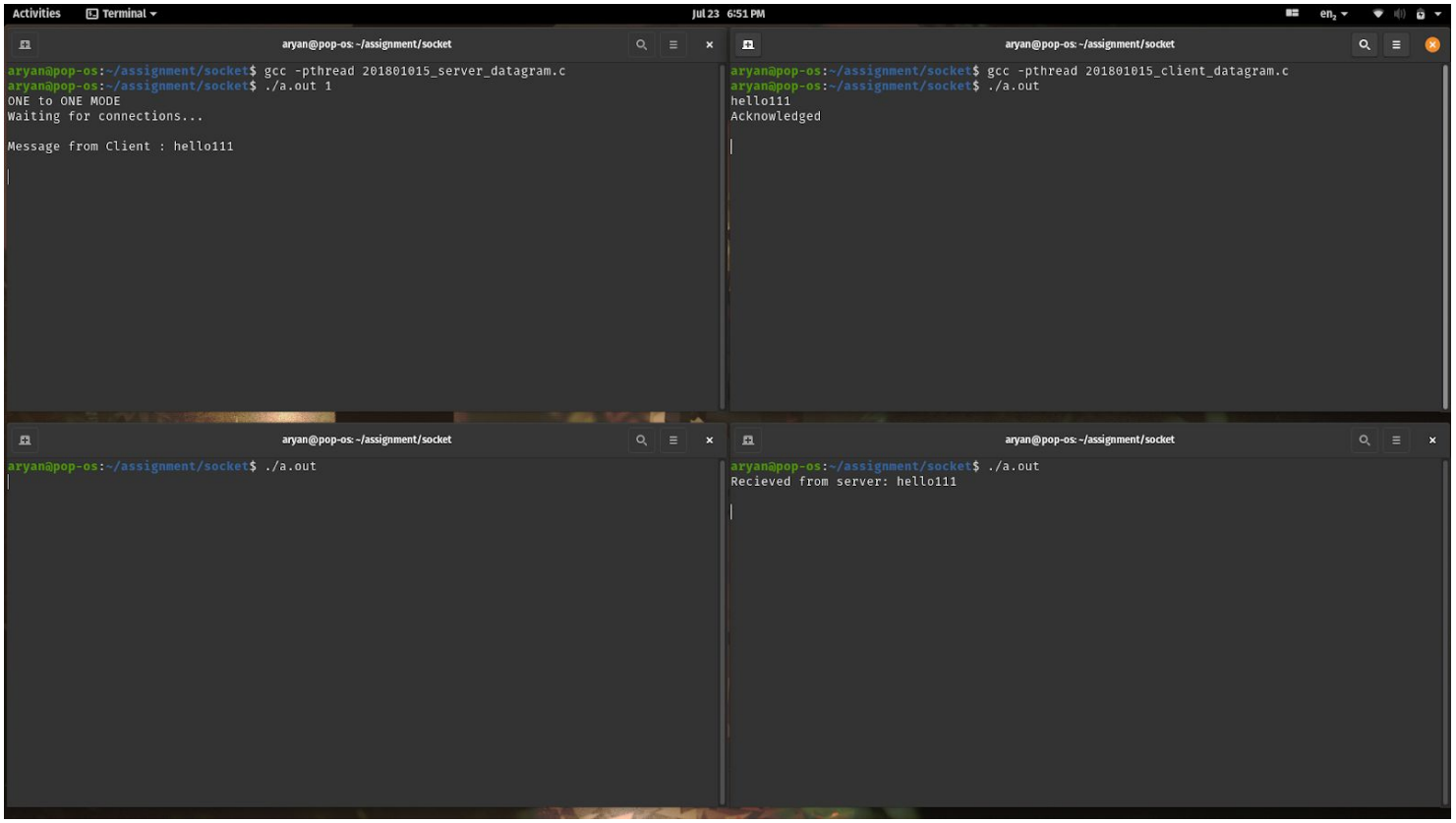
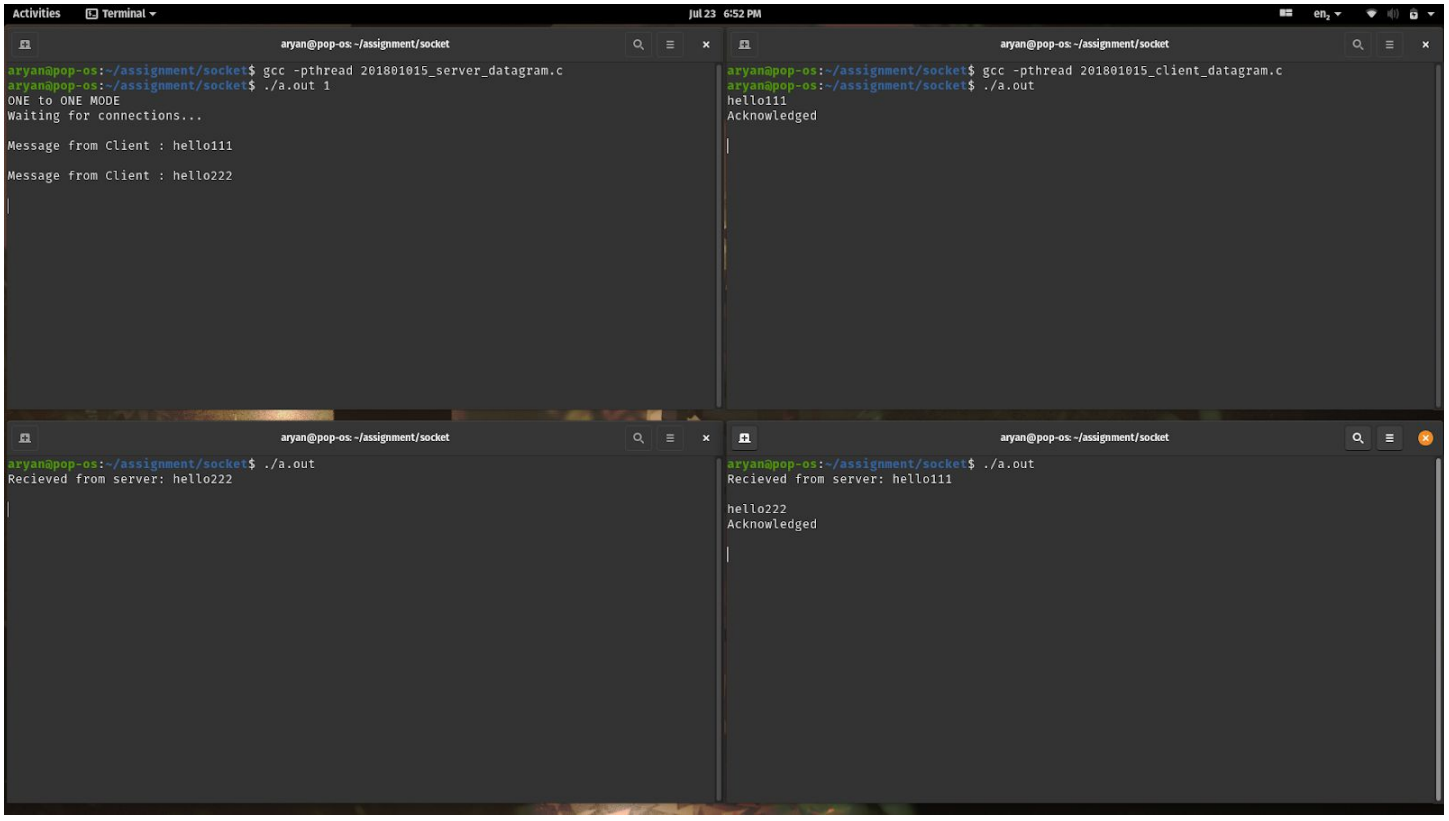
Assignment 3_datagram output:

1. ONE-ONE mode:

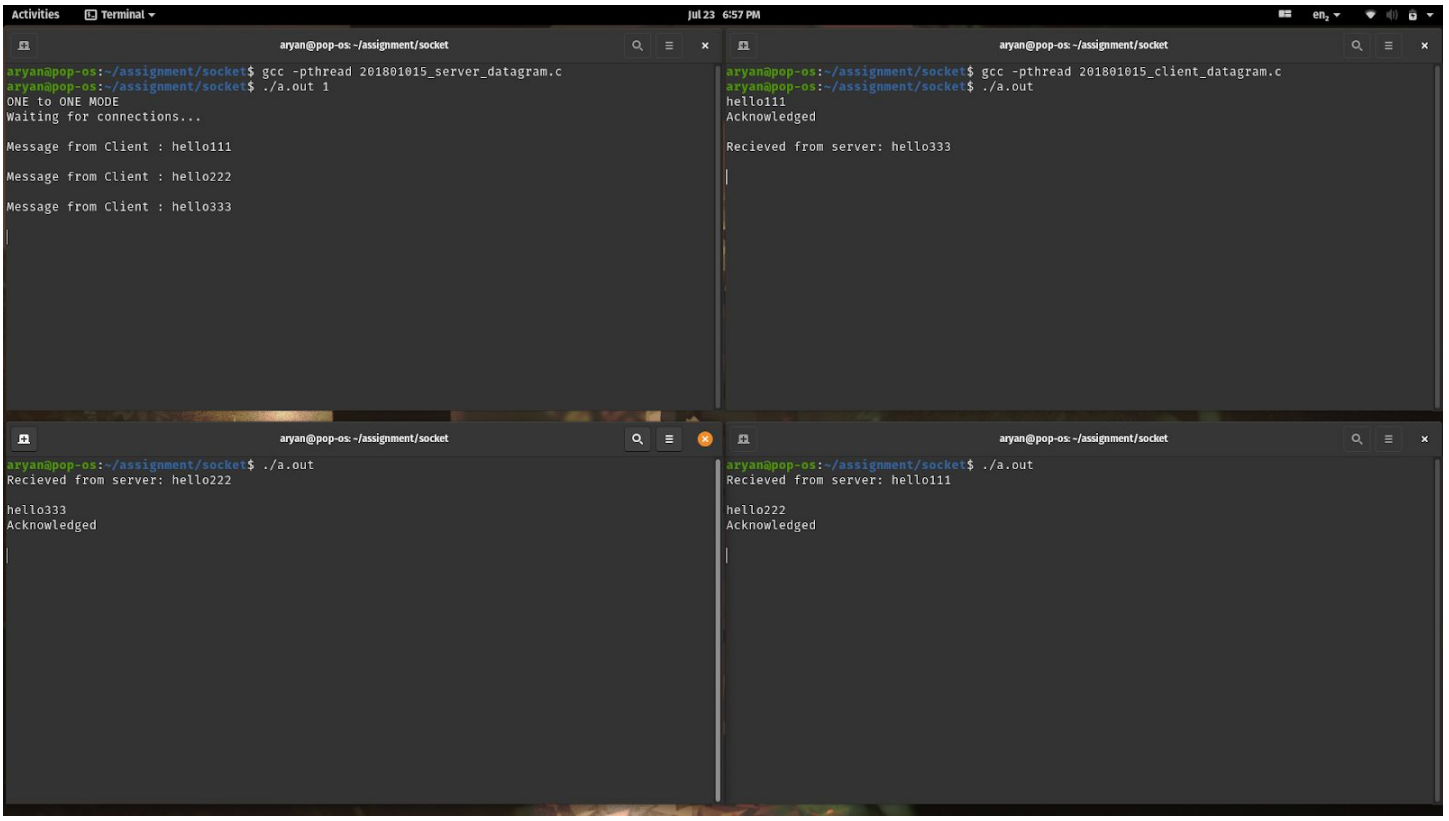
Client 1 sends the message to the server and the server acknowledges and forwards the message to client 2 as shown. Now client 2 is ready to send a message while other clients wait to receive a message.



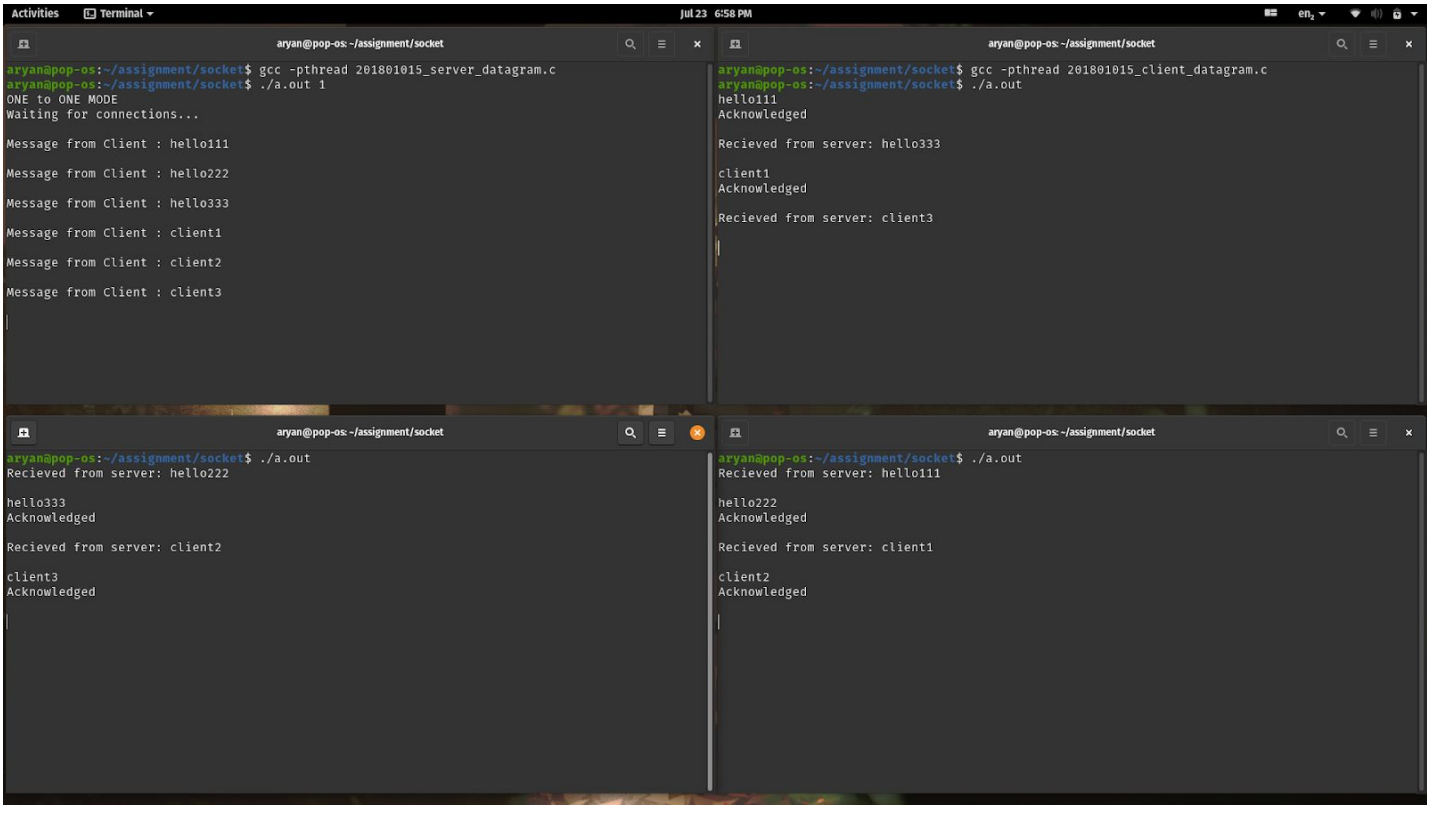
Client 2 sends the message to the server which is acknowledged and client 3 gets the same message from the server as shown while other clients wait to receive the message.



Similarly, client 3 sends the message to the server which is acknowledged and received by client 1 completing 1 iteration of messages as shown.

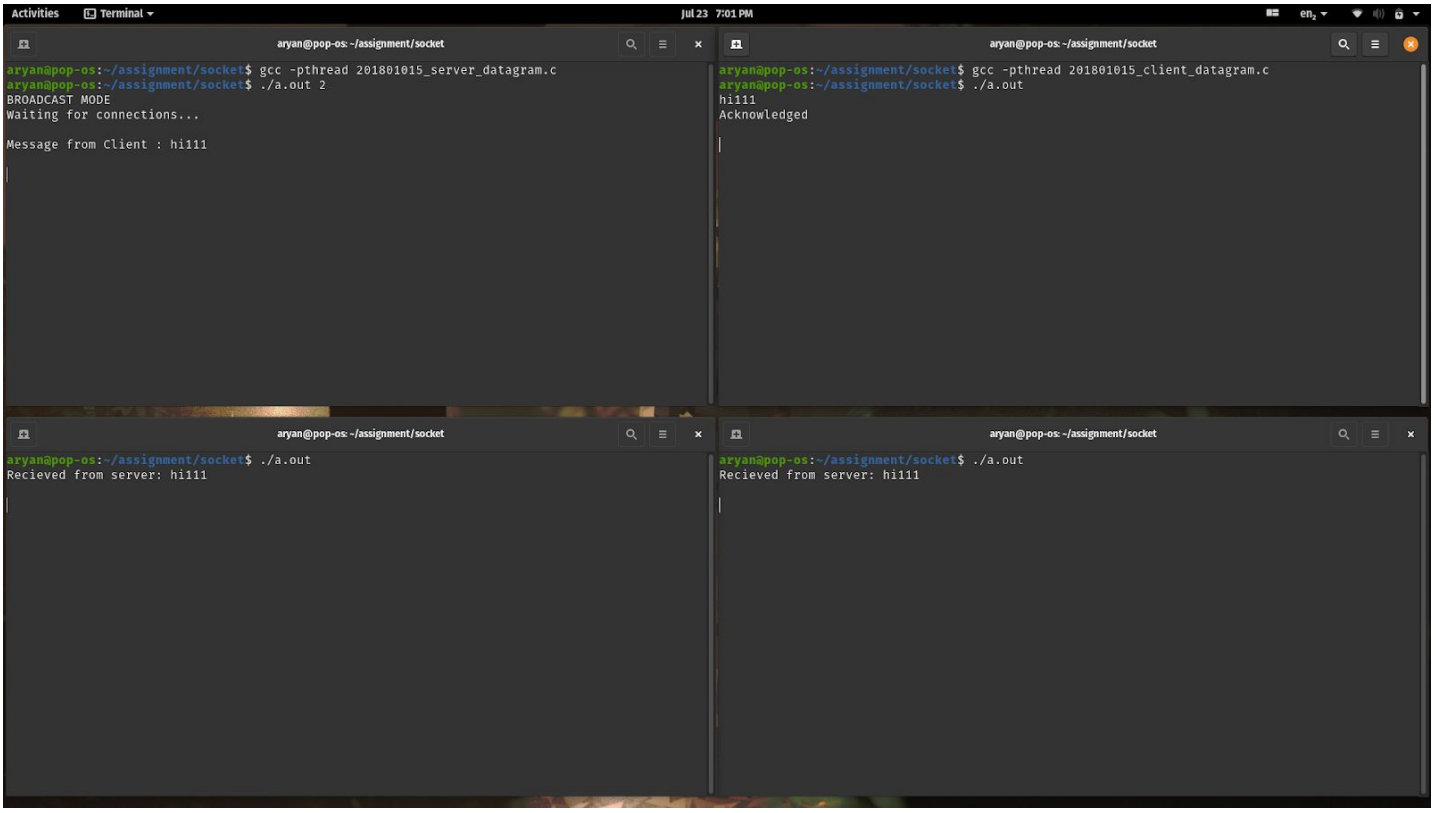


The next snap is of complete iteration 2 of the same procedure as indicated by the arrows. We start with client 1 again and follow the same cycle as before.

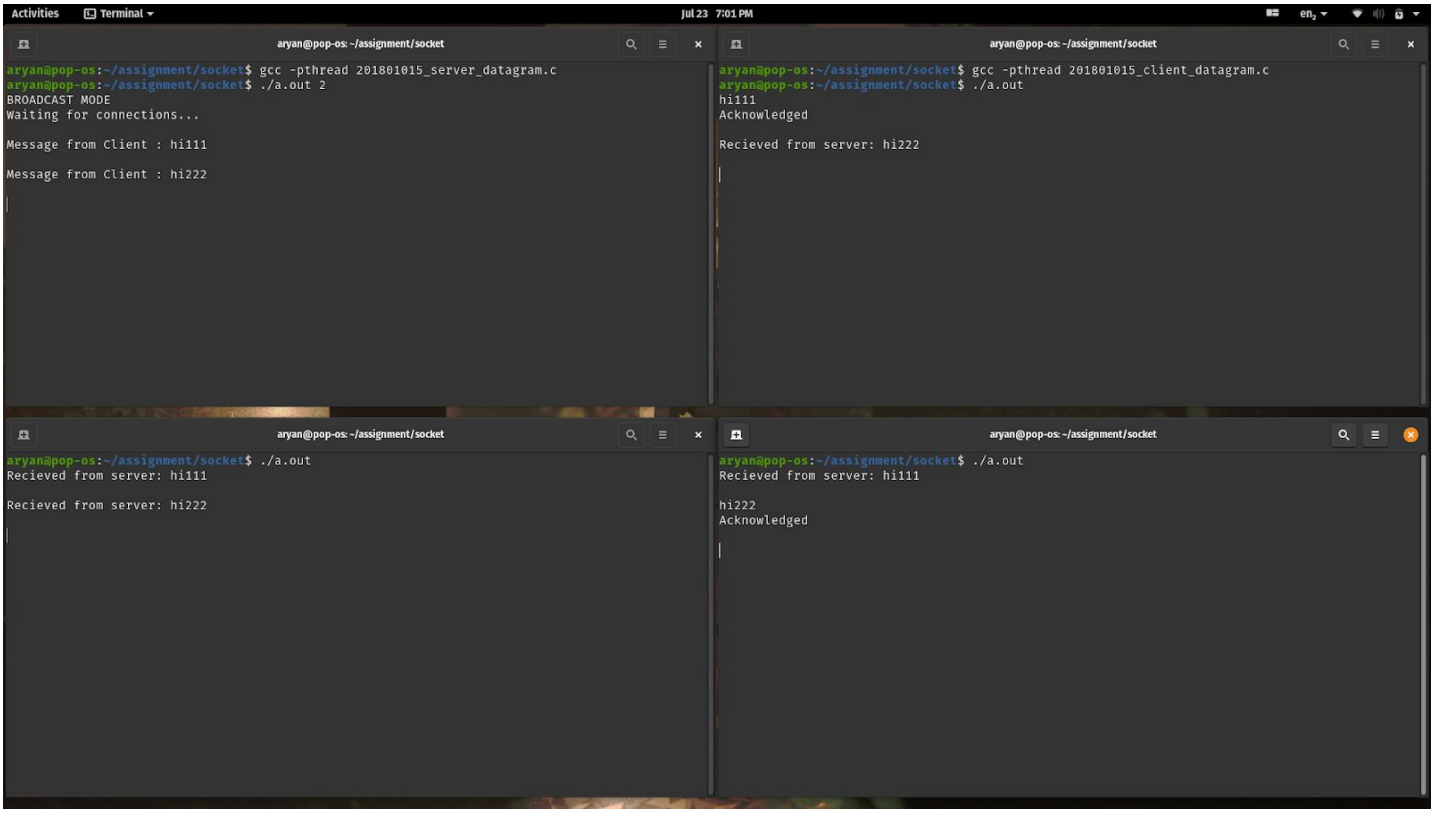


2. BROADCAST MODE:
Similarly all 4 procedures for broadcast mode:

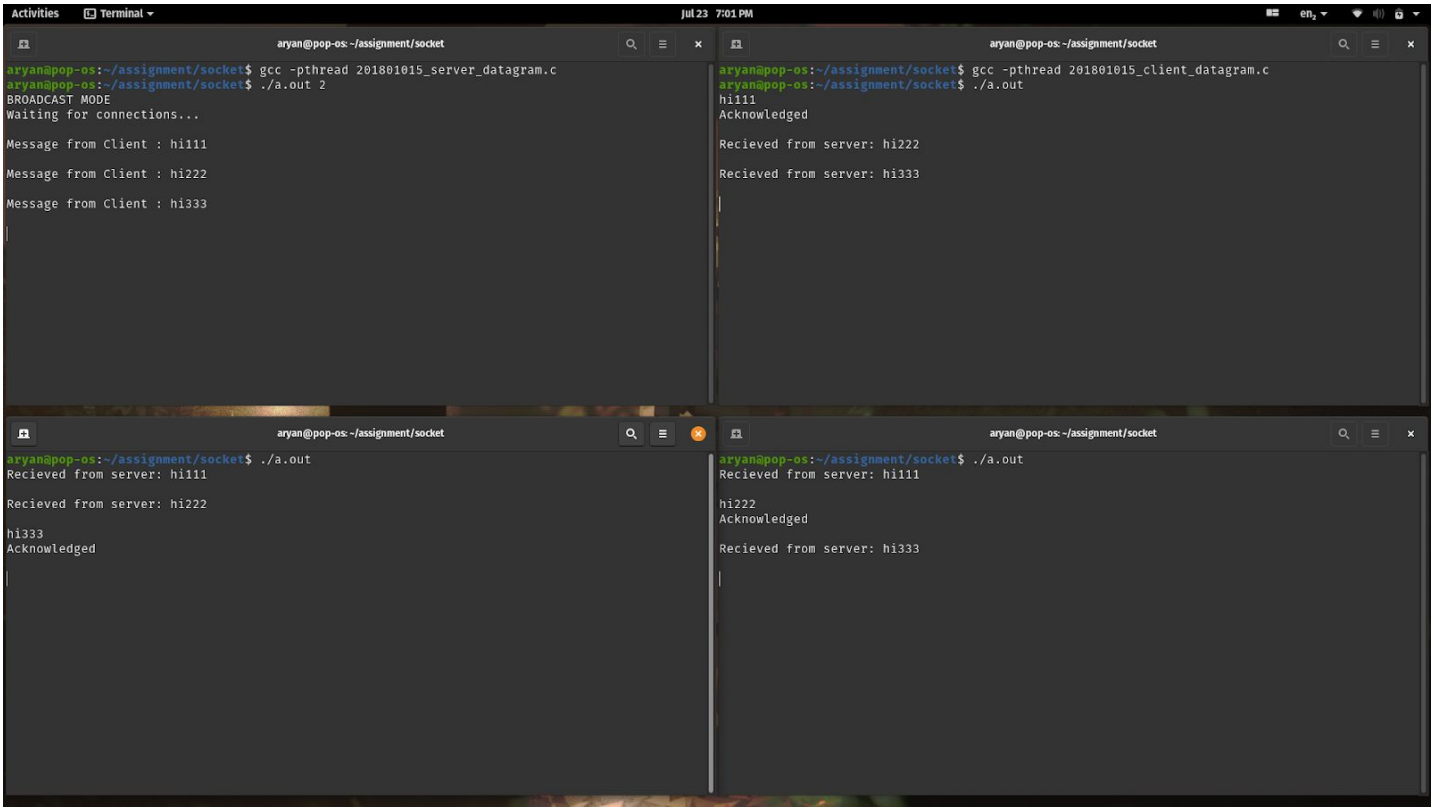
Client 1 sends hi111 and remaining clients also get it via the server which has already acknowledged client 1



Client 2 sends hi222 and remaining clients also get it via the server which has already acknowledged client 2



Client 3 sends hi333 and remaining clients also get it via the server which has already acknowledged client 3, completing one iteration.



Next, we see another complete iteration of BROADCAST messages working in the similar manner as before.