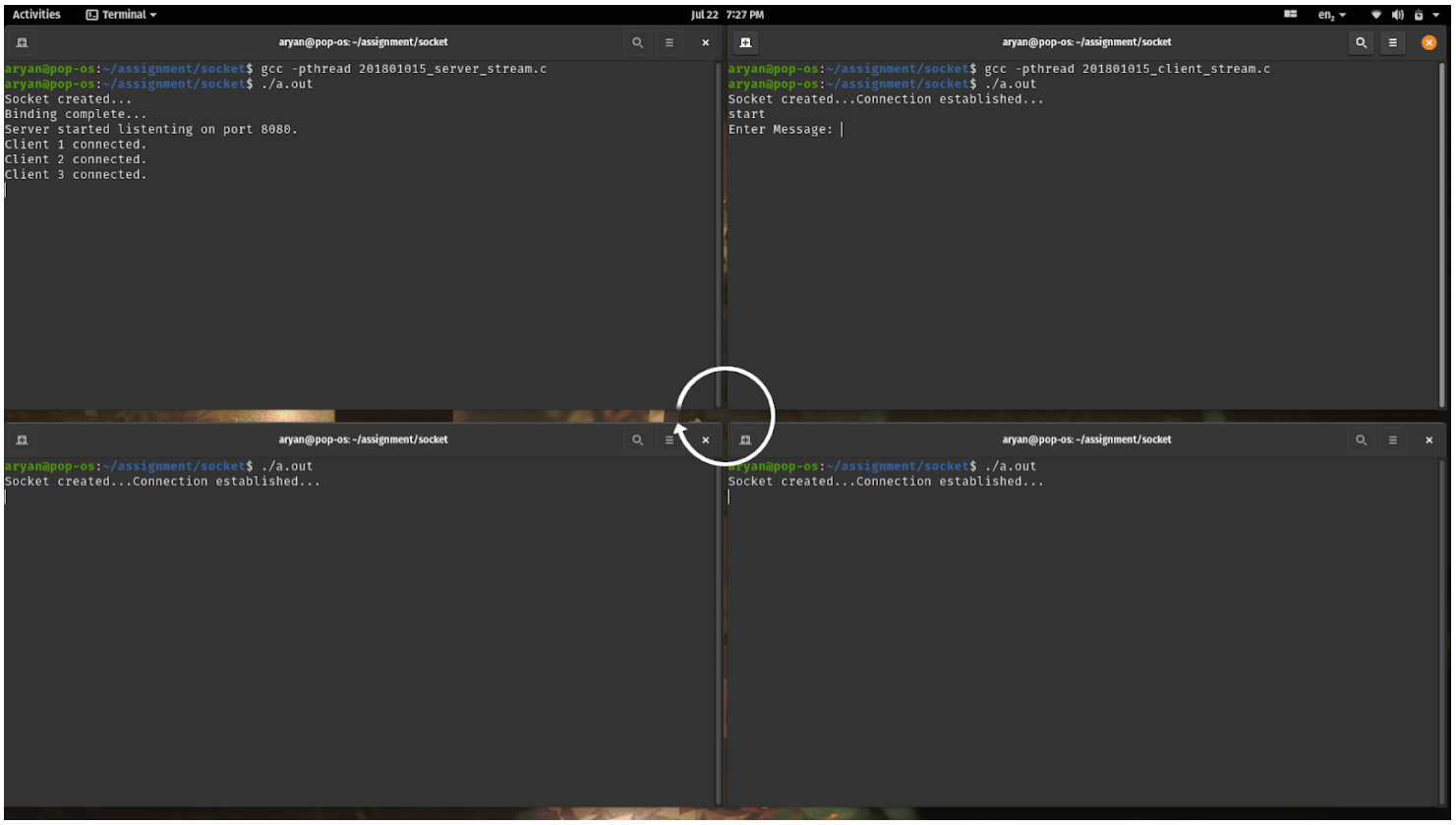
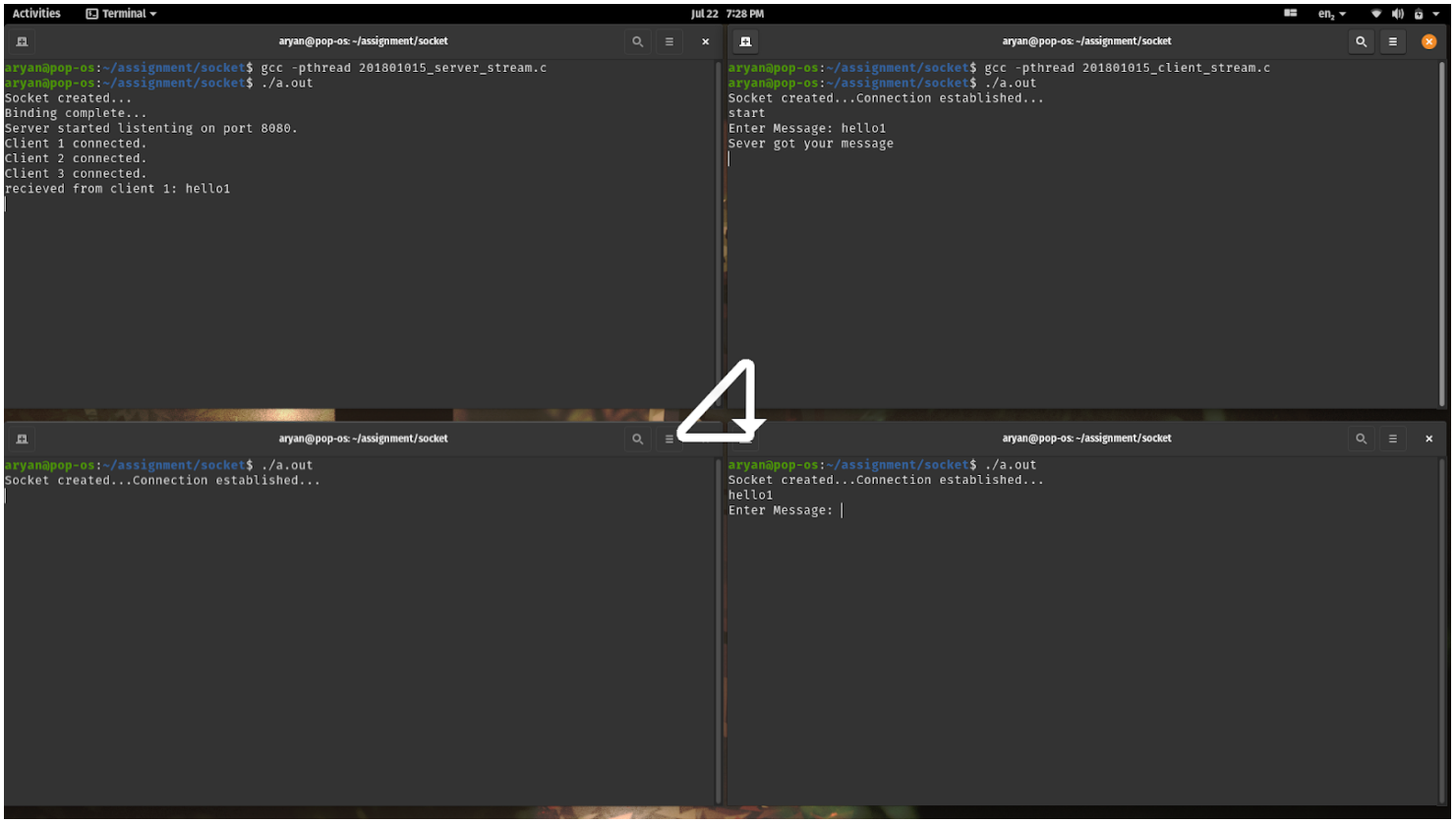
Assignment 3_stream output:

1. ONE-ONE mode:

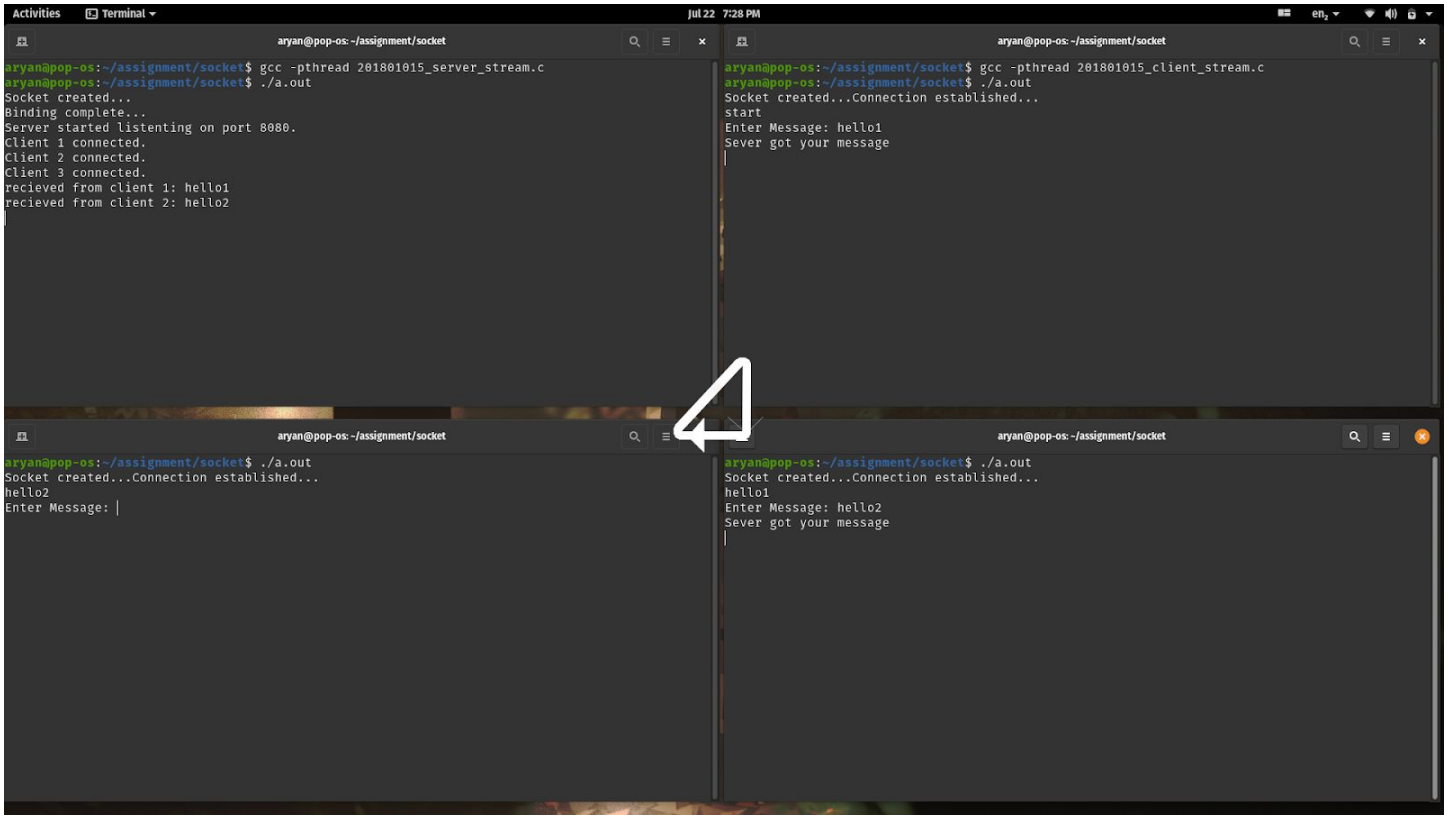
All clients connect one by one and the server asks client 1 to start sending the message while other clients wait to receive a message.



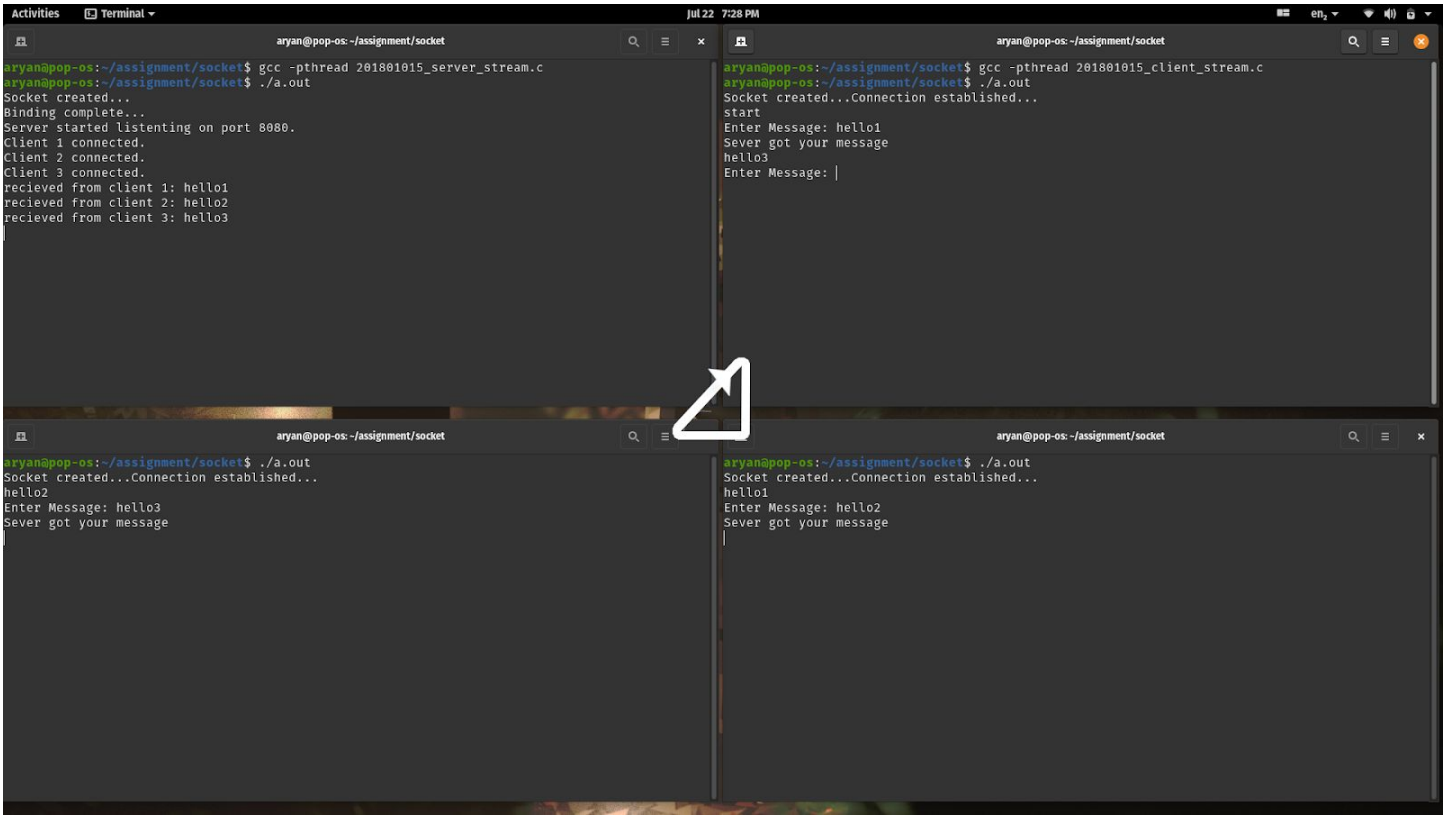
Client 1 sends the message to the server and the server acknowledges and forwards the message to client 2 as shown by the arrows. Now client 2 is ready to send a message while other clients wait to receive a message.



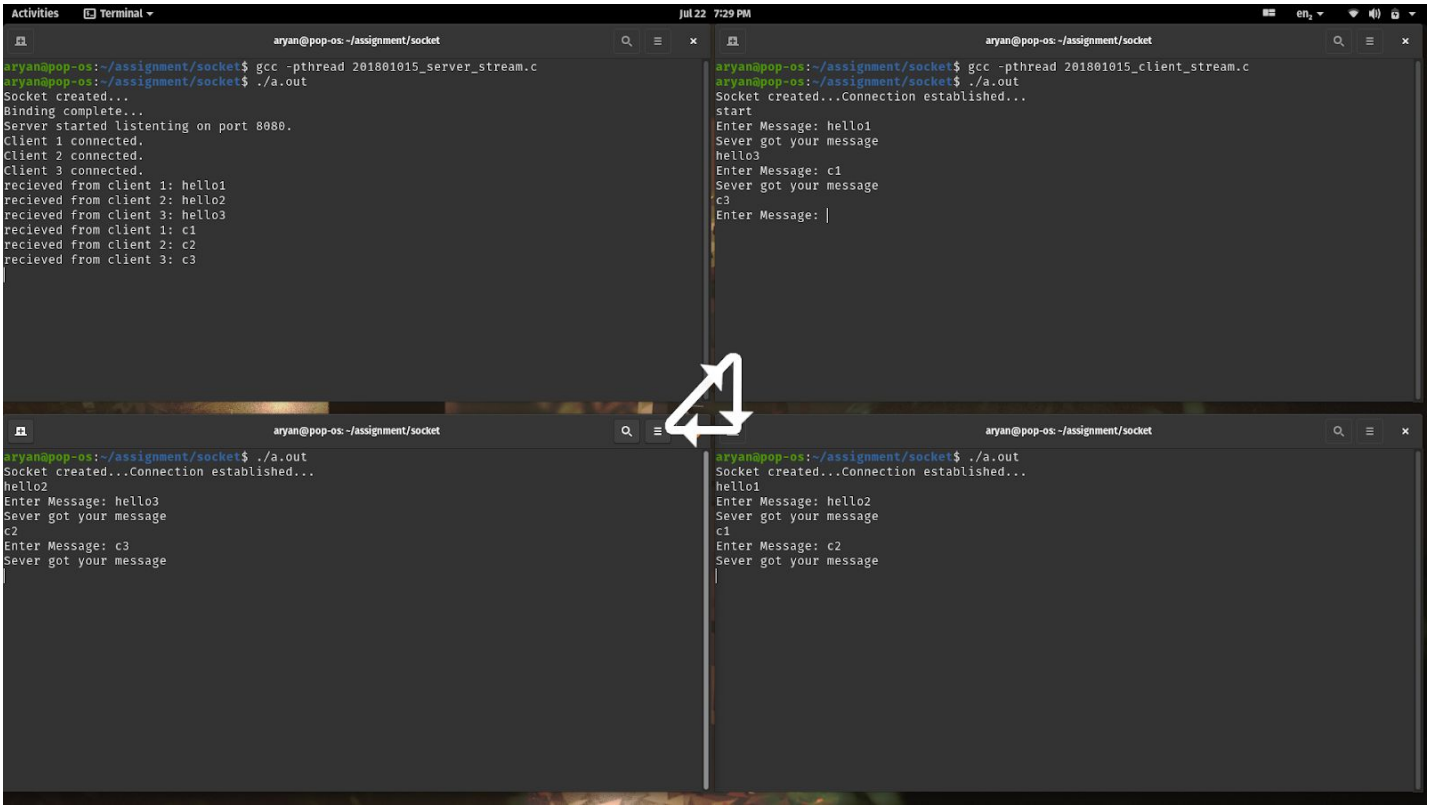
Client 2 sends the message to the server which is acknowledged and client 3 gets the same message from the server as shown by the arrows while other clients wait to receive the message.



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



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:

Here the message sent by one client is received by the server and then sent to the remaining clients following the same cycle as previous screenshots. Client 1(top right) sends hello1 which is acknowledged by the server and forwarded to the remaining clients as shown And the cyclic procedure repeats when client 2(bottom right) sends hello2 and then client 3(bottom left) sends hello 3 as shown in the snap.