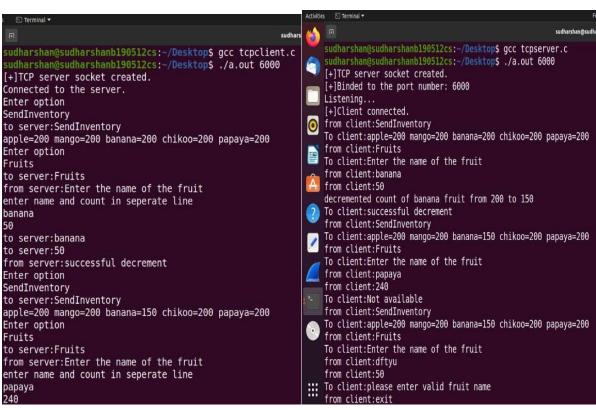
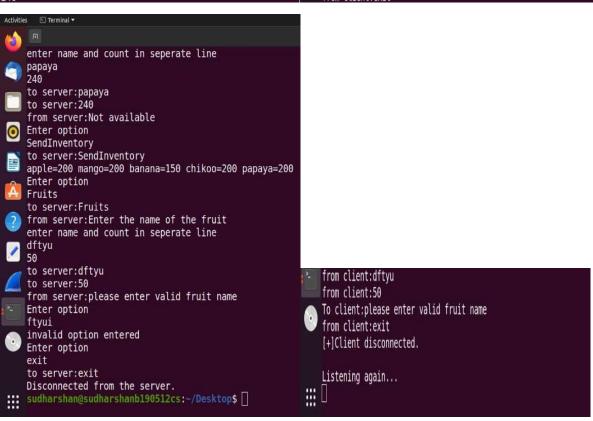
1.a)TCP programs execution covering all functionaalties included in programs.





b)udp programs execution covering all functionaalties included in programs.

sudharshan@sudharshanb190512cs:-/Desktop\$ gcc udpclient.c sudharshan@sudharshanb190512cs:-/Desktop\$ gcc udpserver.c sudharshan@sudharshanb190512cs:~/Desktop\$./a.out 7000 sudharshan@sudharshanb190512cs:-/Desktop\$./a.out 7000 [+]TCP server socket created. [+]TCP server socket created. Enter option [+]Binded to the port number: 7000 SendInventory waiting to receive msg from any client to server:SendInventory from client:SendInventory apple=200 mango=200 banana=200 chikoo=200 papaya=200 To client:apple=200 mango=200 banana=200 chikoo=200 papaya=200 waiting to receive msg from any client Enter option Fruits from client:Fruits to server:Fruits To client: Enter the name of the fruit from server: Enter the name of the fruit from client:apple enter name and count in seperate line from client:30 apple decremented count of apple fruit from 200 to 170 30 To client:successful decrement to server:apple waiting to receive msg from any client to server:30 from client:SendInventory To client:apple=170 mango=200 banana=200 chikoo=200 papaya=200 from server: successful decrement Enter option waiting to receive msg from any client SendInventory from client:Fruits to server:SendInventory To client: Enter the name of the fruit apple=170 mango=200 banana=200 chikoo=200 papaya=200 from client:apple Enter option from client:180 Fruits To client:Not available to server:Fruits waiting to receive msg from any client from server: Enter the name of the fruit from client:Fruits enter name and count in seperate line To client: Enter the name of the fruit apple from client:aptbte

enter name and count in seperate line apple 180 to server:apple to server:180 from server:Not available Enter option Fruits to server:Fruits from server: Enter the name of the fruit enter name and count in seperate line aptbte 50 to server:aptbte to server:50 from server:please enter valid fruit name Enter option betb invalid option entered Enter option exit client process terminated after closing socket created

To client:Enter the name of the fruit from client:aptbte from client:50
To client:please enter valid fruit name waiting to receive msg from any client