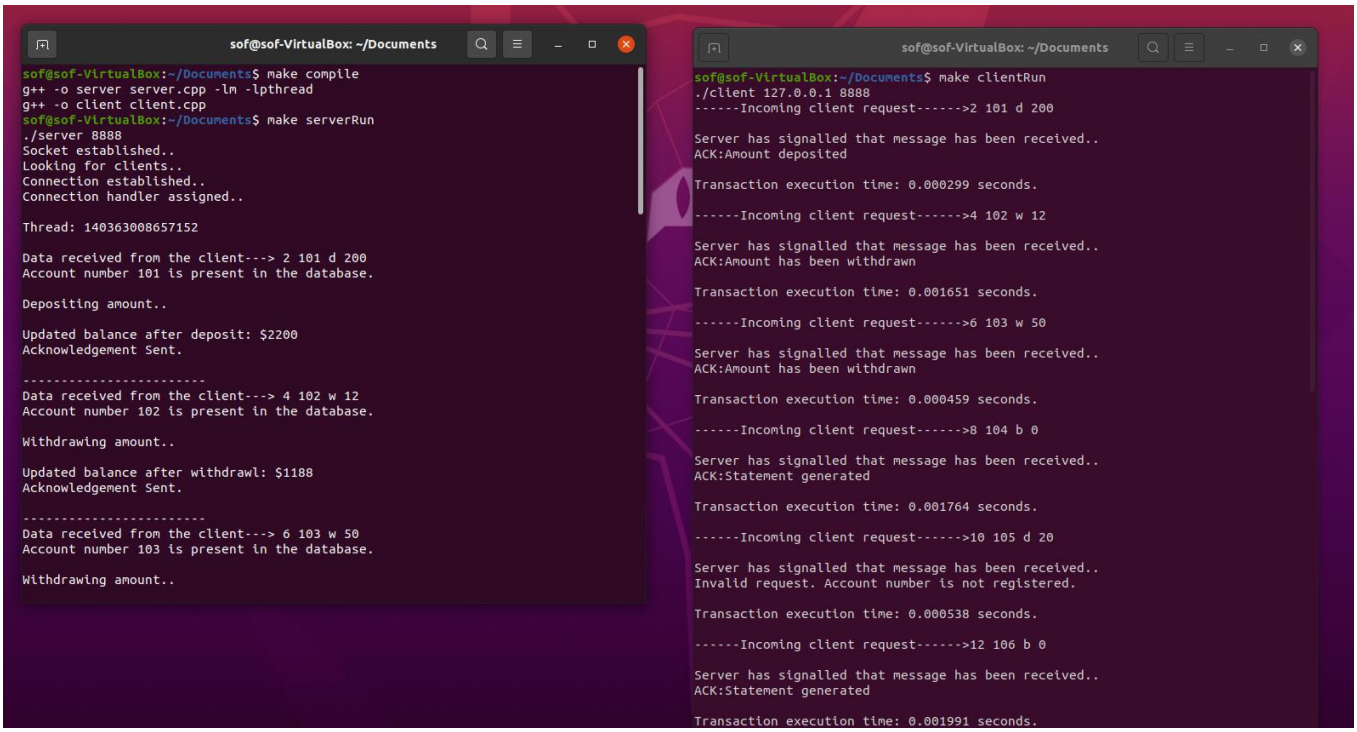
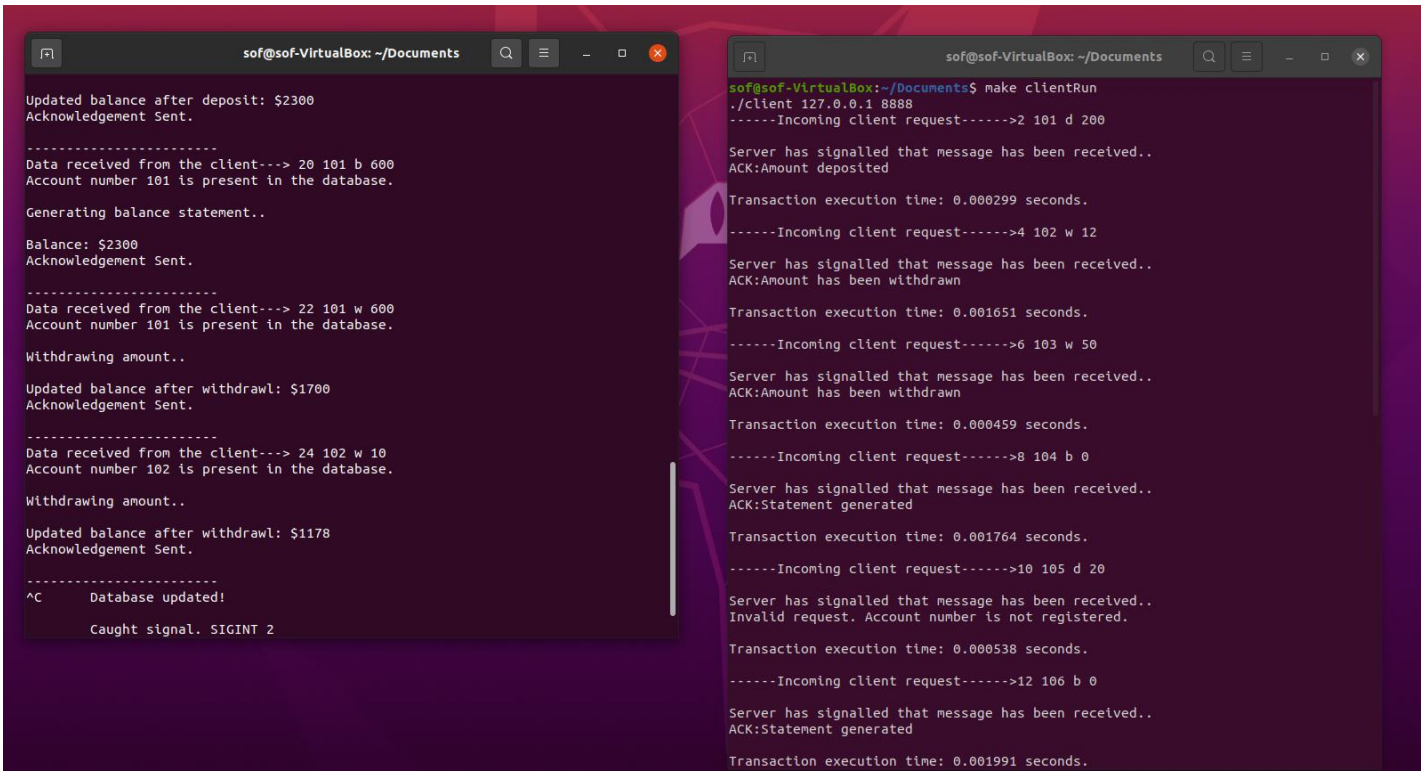
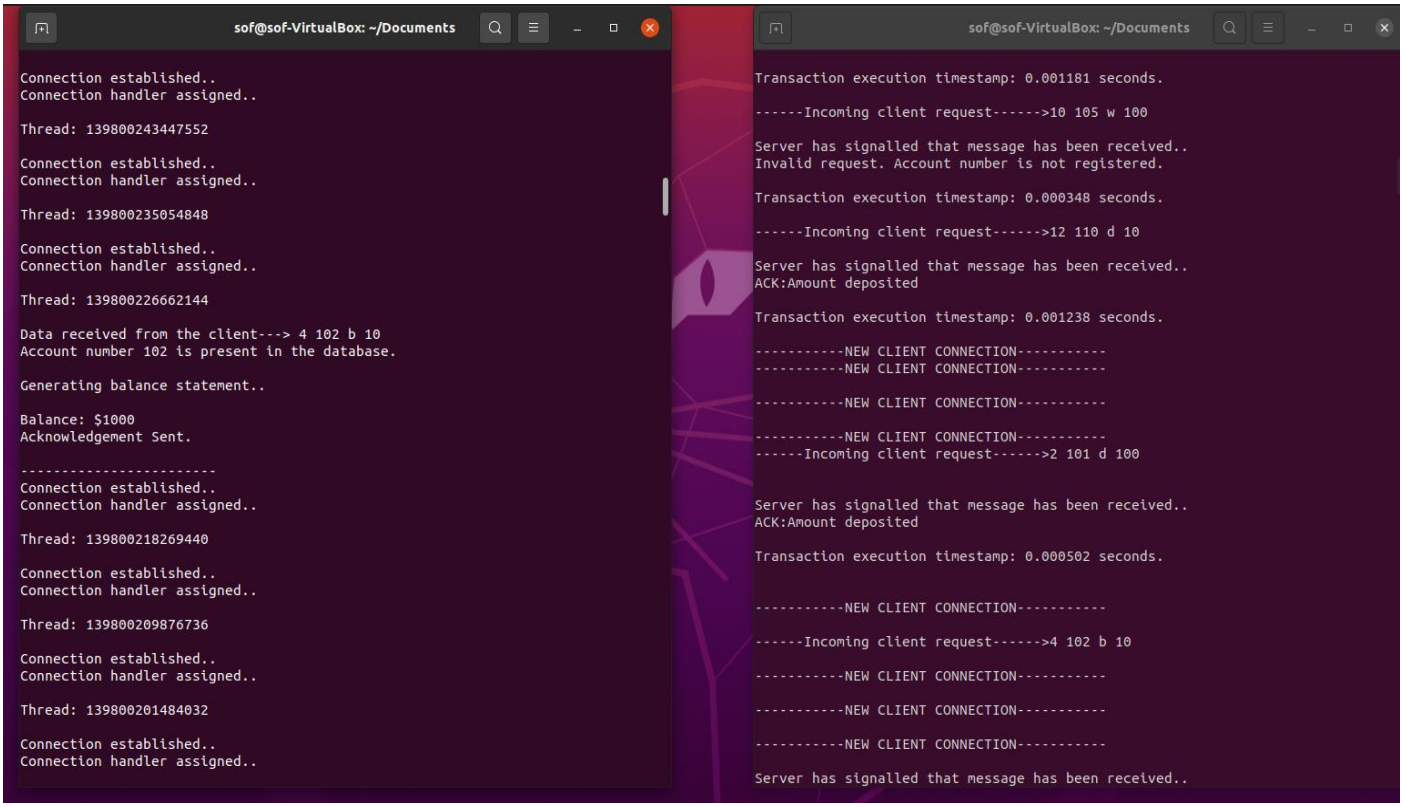
OUTPUT


sof@sof-VirtualBox: ~/Documents
sof@sof-VirtualBox:~/Documents$ make compile
g++ -o server server.cpp -lm -lpthread
g++ -o client client.cpp
sof@sof-VirtualBox:~/Documents$ make serverRun
./server 8888
Socket established..
Looking for clients..
Connection established..
Connection handler assigned..
Thread: 140363008657152
Data received from the client---> 2 101 d 200
Account number 101 is present in the database.
Depositing amount..
Updated balance after deposit: $2200
Acknowledgement Sent.
Data received from the client---> 4 102 w 12
Account number 102 is present in the database.
Withdrawing amount..
Updated balance after withdrawl: $1188
Acknowledgement Sent.
Data received from the client---> 6 103 w 50
Account number 103 is present in the database.
Withdrawing amount..
sof@sof-VirtualBox: ~/Documents
sof@sof-VirtualBox:~/Documents$ make clientRun
./client 127.0.0.1 8888
------Incoming client request------>2 101 d 200
Server has signalled that message has been received..
ACK:Amount deposited
Transaction execution time: 0.000299 seconds.
------Incoming client request------>4 102 w 12
Server has signalled that message has been received..
ACK:Amount has been withdrawn
Transaction execution time: 0.001651 seconds.
------Incoming client request------>6 103 w 50
Server has signalled that message has been received..
ACK:Amount has been withdrawn
Transaction execution time: 0.000459 seconds.
------Incoming client request------>8 104 b 0
Server has signalled that message has been received..
ACK:Statement generated
Transaction execution time: 0.001764 seconds.
------Incoming client request------>10 105 d 20
Server has signalled that message has been received..
Invalid request. Account number is not registered.
Transaction execution time: 0.000538 seconds.
------Incoming client request------>12 106 b 0
Server has signalled that message has been received..
ACK:Statement generated
Transaction execution time: 0.001991 seconds.


sof@sof-VirtualBox: ~/Documents
Updated balance after deposit: $2300
Acknowledgement Sent.

Data received from the client---> 20 101 b 600
Account number 101 is present in the database.
Generating balance statement..
Balance: $2300
Acknowledgement Sent.

Data received from the client---> 22 101 w 600
Account number 101 is present in the database.
Withdrawing amount..
Updated balance after withdrawl: $1700
Acknowledgement Sent.

Data received from the client---> 24 102 w 10
Account number 102 is present in the database.
Withdrawing amount..
Updated balance after withdrawl: $1178
Acknowledgement Sent.
----
^C Database updated!
Caught signal. SIGINT 2
sof@sof-VirtualBox: ~/Documents
sof@sof-VirtualBox:~/Documents$ make clientRun
./client 127.0.0.1 8888
------Incoming client request------>2 101 d 200
Server has signalled that message has been received..
ACK:Amount deposited
Transaction execution time: 0.000299 seconds.
------Incoming client request------>4 102 w 12
Server has signalled that message has been received..
ACK:Amount has been withdrawn
Transaction execution time: 0.001651 seconds.
------Incoming client request------>6 103 w 50
Server has signalled that message has been received..
ACK:Amount has been withdrawn
Transaction execution time: 0.000459 seconds.
------Incoming client request------>8 104 b 0
Server has signalled that message has been received..
ACK:Statement generated
Transaction execution time: 0.001764 seconds.
------Incoming client request------>10 105 d 20
Server has signalled that message has been received..
Invalid request. Account number is not registered.
Transaction execution time: 0.000538 seconds.
------Incoming client request------>12 106 b 0
Server has signalled that message has been received..
ACK:Statement generated
Transaction execution time: 0.001991 seconds.

Multiple clients: